

CR FORM 6
FEB. 1958

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
Crops Research Division

FIELD NOTEBOOK
AGRONOMIC NOTES

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(City and State)

U. S. GOVERNMENT PRINTING OFFICE 16-53084-2

87
18
271

SAMPLE PAGE

VARIETAL TEST OF OATS, 1908

CONDITIONS OF EXPERIMENT

PLOT

Location.....Field H.
Size.....1/20 acre.

SOIL

Kind.....Prairie loam.
Position.....Somewhat rolling.
Previous crop.....Corn.

NAME AND CONDITION OF MACHINERY

Plow.....
Disk.....Osborn.....Sharp.
Harrow.....U Bar.....Good.
Seeder.....Monitor.....Good.
.....

SEED

Variety.....Variable.
Weight per bushel.....Variable.
Source.....Variable.
Treatment.....Fanned clean and treated for smut.

SEED BED

Preparation :

1. Disked (lapped half).....4-6-'08.
2. Disked (lapped half).....4-10-'08.
3. Harrowed.....4-10-'08.
4. Harrowed.....4-27-'08.
5. Seeded.....4-27-'08.
6. Harrowed.....4-27-'08.

SEEDING

Manner.....Drilled.
Date.....4-27-'08.
Rate.....3 bushels per acre by weight.

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation: _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19

CONDITIONS OF EXPERIMENT

PLOT

Location _____

Size _____

SOIL

Kind _____

Position _____

Previous crop _____

NAME AND CONDITION OF MACHINERY

Plow _____

Disc _____

Harrow _____

Seeder _____

SEED

Variety _____

Weight per bushel _____

Source _____

Treatment _____

SEED BED

Preparation: _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner _____

Date _____

Rate _____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

Endrin for rat killer.

Spray stopped areas + get
perfect control.

Increase plots Palo gordo

Camposino

10,872

10,884

461, ^{downy} thick, ¹ fine grain
fairly clean for blast

503 Rev x Lanna

BBL 50
some

11,528

Toro x CD5094 (1 slender grain
plant type 2 BS328A)

CT. 9128

(moder Blast in reg stage) Rather late maturing
(consider in mat stage)

CP231/8 x B15

(2,474)

BS5120A15-3-8

CD9419 1

High Blast in reg stage

Less Blast in head stage than 11,528

11,485

CI 9052

Heavy blast in moth stage

was also high in adult in veg stage

150

V long sheath becoming

R-R x Big Pannicle V good plant type

V good BBT grain type, may have conside' blast
very liked & Rufus likes & is going ahead
no blast in earlier stages, appears to be very blast
when ripe.

Shelly

V tall, lodged

High blast in veg stage

260

Rex - Red Remnants

Heavy blast.

210

(Low) Blast in veg stage
R-D x Sadie (when ripe, later than others
In-4644, short heads, close to BBT for grain

49

will discard, light blast veg.
consid' blast when matureGrass. Low blast veg. Only moderate
when ripe

11,591

CP Roque

CI 9233

V low blast in veg stage
consid. blast when mature

- 1 SML 77a
poorer grain types
shorter earlier
- 2 SML 81B sw of better grain types
has sturdy straw
- 3 SML 140/5 stiff straw
(v good grain type)
(v few plants)
- 4 SML 140/10
v good grain type, stiff straw
- 5 SML 140/10/5
no comment
- 6 SML 100/1/1/11
no comment
- 7 SML 242
good grain type, v stiff straw
Will increase in Scandinavia
- 8 R X/5
no comment
earlier + taller here

9 R8C/140/29

no comment

10 VD 5040/2/1/13

no comment (Jack & later here)

11, VD 5096/73/36

photo & earlier here

10884

Secure lodging. Little blight,
ground 2000 K. per hectare being
harvested.

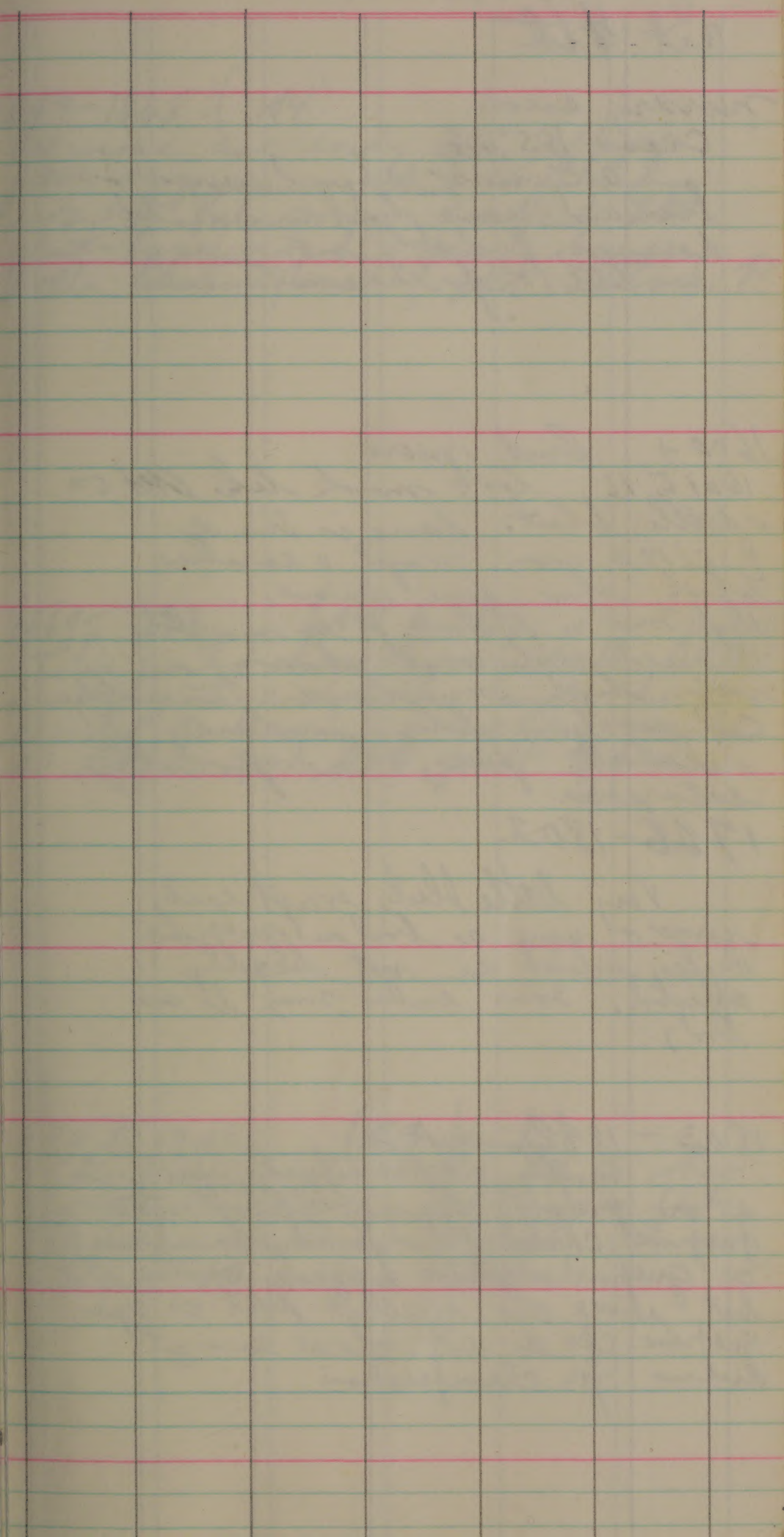
10872-

considerable blight observed but
excellent yield

no 503

Observed 2 fields, one nearing
full maturity, looked V good.
Had V sturdy stems & heads
very well developed. Saw much
white top.

Second field was made up of
several lots of seed and the
plants were still rather young
(about 10-12" tall), observed an
occasional blight spot on leaves
but so far no white top
symptoms had developed.



General observations Oct 4th

nursery area

Cross B571A

all rows stayed considerably
black and some had considerable
damage. Probably none as good
as BBT 50 for resistance

1600+ Bmt rows.

1601 to 16, look much like BBT 50
✓ little black. Same is true of
B 5617A rows, except ✓ varieties
which show some disease.

High Imp x Red C P is mostly
disregard with some showing a
rather high incidence. Possibly
C P region, later rows are
relatively free, & are probably
escapes.

1766-1802

Very little black, except early
rows & none as bad as guinea
chicks, which are not heavily
affected. Some earlier may be as
bad.

1803-1848- A3

mostly BBT maturity, few early
& are probably cleaner for black than
guinea chicks. This family has more of
a guinea vegetative appearance than B2.
but plants are excellent BBT 50 type.
guinea cks do not show enough
disease for classification

1849-1868 (A4)

are none as early as gulfpore
from appearance, check with below
notes of Pala gods. Excellent BBT
plant types. This family has very
little blout. Presumably BBT reaction. ??

1869-1883 (A5 family)

This family shows ~~by~~ considerable blout
in some of the early rows. Might be
expected to be carrying gulfpore reaction
to blout, good BBT plant types

1884 to 1911 (A9 family)

This family might be expected to show
BBT type reaction to blout. Some early
plants are affected but probably not as
much as ~~the~~ gulfpore checks

1942 to 2001

A18 family

This family is probably carrying
gulfport reaction to blast. Many plants in earlier lines are
showing blast & some rows
appear as susceptible as
gulfport.

(2002 to 2035)
(2061 to 2123)

(A19 family)

Earlier are showing consid.
blast possibly carrying gulfport
reaction

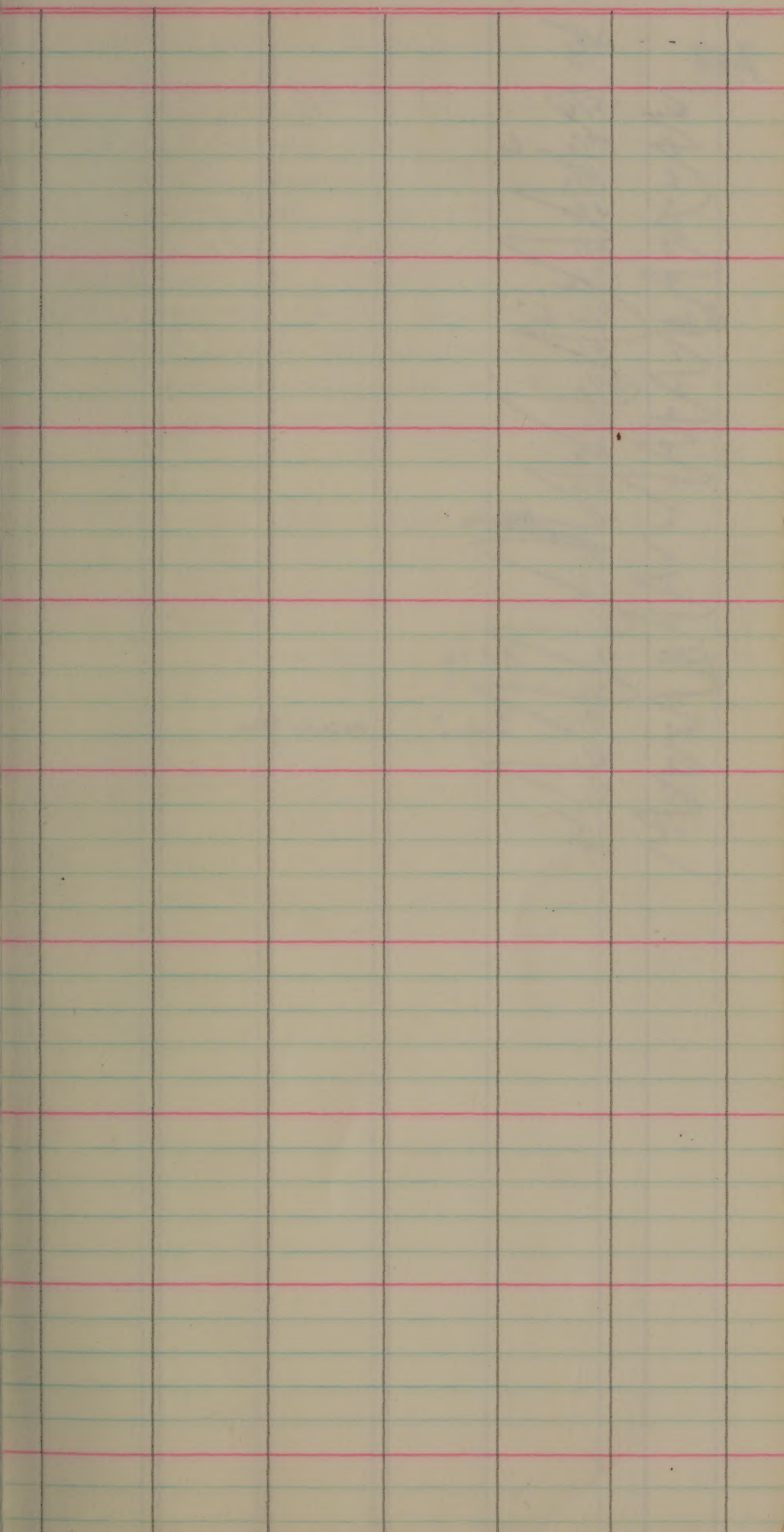
~~family~~ 2036 to 2060 (Family A24)
are very clean for blast but
are all late maturity of BBt
or nearly so, question
whether any information on blast
is evident
2212-2235 = A24

2124 to 2211 (Family A 21)
 Slight blast throughout but gulfrose
 checks show rather light infection.
 no conclusions on whether gulfrose
 reaction is present.

2236 to 2305 (Family A29)
 a few early lines or lines with early
 plants are showing considerable blast.
 Family is possibly carrying gulfrose
 reaction to disease.

2306 to 2368 (Family A30)
 mostly late, like BB150 & very little
 blast, gulfrose checks are heavily infected.
 an occasional ^{center} row shows moderate amount
 of blast. Possibly does not have gulfrose
 susceptibility. ? ?

2369 to 2399 Family A 3/
Practically all rows appear
to be BBT50 maturity, are
all showing very little blast,
a few more however than
BBT50 checks. Very rows BBT50
along edge of block showed
occasional blast heads, ??
Possibly BBT reaction



753

~~4/3~~

4

5/4

5

0/0

L

6

4/3

7

3/1

8

2/1

9

3/2

~~800~~

0/0

L

1

3/1

2

3/1

3

1/1

4

3/2

5

3/1

6

0/0

~~BBro~~

7

1/1

8

1/0

9

1/1

~~800~~

1/1

BBro

11

0/0

12

0/0

Luni

13

4/3

14

1/1

15

3

varique

Arkansas mss.

Reynolds PI 184675
show practically no blood
but are BBT maturity or at
later so may be escaped

The Sadai chuck cows were
over ripe & lodged. Examination
revealed only an occasional
neck symptoms so may be
fairly resistant.

Many of the BBT x Sadai
cows are earlier than BBT so
should be fairly resistant under
these conditions since blood was
low when they ripened.

875 et al the gold cows
are late as BBT or later &
can not be accurately classified
are short at & very sturdy, stunted
erect flags of. Reyno. mostly gold
when pale in this group are
early or have straw hells they
are so noted,

1008 Was an autostudy BBT 50. I
It shorter than BBT 50. Have not
checked this one.

1011 is fairly good.
Practically no blast in the
epicardial x BBT. Is mostly too
late for the big incidence of
organization.

Crowley Nursery

408 to 425

are all gold hull, BBt or sl later maturity. Rather small stems, & wiry appearance.

are very good Rex or grain types. V little Blast but may be too late to show symptoms.

Two BBt 50 harder rows adjacent to these rows are showing about the same amount of blast.

Very early sals 455 + up are too rosette to attempt to classify. appear to have blast decoloration on neck but not grain.

Juniperus ssp. that were
harvested

6001

6002

6008 v good CP plant, grain type
smooth hulls, segs gold & straw
med. ht.

~~6044~~
6048

Tall, willowy straw, segs
straw + gold, good long grain

6046

med tall, straw hulls, good
CP grain type, smooth
good m

6092

about BB 50 maturity, med-gr
med-slender, segs. straw + gold
straw is willowy

6013

med-tall good pan, rough
gold, full long-grain, sl
willowy, green or straw leaf
drying habit of Japonica

6111

med. ht, sl. willowy, segs
straw + gold, rough,
green or straw leaf drying.

6121

Black (3/1) v good long-grain
type present, segs grain length
smooth, straw hulls, lighter ht
& earlier than BB 50, small
stems, sl willowy

6/22 Tall, weelowy full long-grain, smooth, straw hulk
sl. earlier than BBT 50, green on
stem leaf drying white

6/24, med ht, sl. earlier than BBT 50
+ consid shorter ht med-grain smooth
pr. apex like PI 215, 936, small
stems resembles PI 215, 936. Parent
Very uniform ht row. Watch

6/25

not too tall & not too

6/26 Like 6/24, except sl. taller

6/27 + 6/28 were sent

6/39

Tall, weelowy, seg. straw & gold,
smooth

6/41

BBT 50 ht, seg. straw & gold, smooth
looks better than 6/39, similar
grain type, prob better grain than 6/39

6/42

Like 6/41, v good CP grain type

6159
about BBT 50 ht, smaller stems
✓ good long slender grain; segreg.
straw + gold, smooth
✓ good if straw is sturdy enough

6161 Looks much like BBT 50 except
sl smaller stems, ✓ good BBT
grain type, straw hulls, smooth.
so not breeding time for H. B.
but saved account very good
plant + grain. grow all 3 pan;
send $\frac{1}{2}$ of each to Jennings
Rufus harvest this row.

6162
segr hull color grain shape
not as good as 6161.

6224
about BBT 50 ht, maturity, stems
prob. smaller, green straw hulls,
all rough, segr straw + gold,
med-grain type

6226
BBT 50 ht + maturity, gold
rough, med-grain, good plant
type, may be sl wilting

6227
BBT 50 ht, sl smaller stems, pan
rather short, may be too tall,
med-grain rough, straw hulls
pr apiculus

6228
not saved, similar to 6227
but segr hull color + presence

6229

shorter hit than BBT 50, similar maturity
all smooth, segs straw & gold segs
grain length. Some V good BBT grain
types, V good row (Rufus some)

6231

all gold rough hulls med-grain
plains & shorter hit than BBT 50.
(sample not saved)

6232

similar hit & maturity to row
6231 but smooth hulls and a
slightly longer grain; gold hulls
shorter hit & smaller stems than BBT 50, the first
growth & doesn't appear to be willow

Rufus looked

6239

all straw hulls, segs rough & smooth
saw smooth grain & full, smaller
stems than BBT, but good plant type

6238

like 6239, prob all rough

6237

ditto but all smooth

6236

shorter hit and earlier than

6239 et al; straw hulls, segs Rough & Smooth
short panicles, V good row, small stems

6235

Excellent plant type, segs ht.
+ possibly, segs. mat. Some l. good
BBT grain types, straw hulls.
Segs pubescence. V good

6234

~~straw hull~~ color, tall
sl yellowish straw segs pubescence
fairly good long-grains present

6233

all gold, smooth, good
BBT grain type, or rather
more like a CP. V good Row adr

6241 + 2 + 43

all sl shorter ht than BBT 50, similar
maturity to BBT 50, straw hulls all rough
grain shorter than BBT, Sowed 6243 only.

6244

all gold, smooth ^{some} V good long sp.
Segs grain length, shorter ht, earlier
than BBT 50

6245

grain + panicles are too short
not sowed

6246

V good short ht row like 6244

6247

similar to 6246 but shorter grain
not sowed

6248

Like 6246

6249
 So like 6244

6251
 grain too short, not saved

6252
 So too tall, grain too short, not saved

6253
 med ht, all straw hulls, very good
 plant type, smaller stems than BBT.
 Segs, rough & smooth, No yield

6254
 much like 6253 segs. Rough & Smooth good
 So probably taller than 6253

6256
 So very good like 6253, but
 smooth hulls, short ht. Adm

6258 & 59
 grain too coarse, not saved

6302~
 med ht, open panicles, rather sparse
 long leaves.

6349

Typical BBT 50 plant grain
all bold & all shorter, V good

6367

Too leafy (like guafrose)
grain too short,
(not saved)

6422

grain too short, & too tall
(not saved)

6434

Too tall, Taller than BBT 50
good long grain
V free threshing

6463

Taller than BBT 50
Poor long-grain shape

~~6463~~ not saved

6475

BBT grain type, V tall,
& weedy straw

6496

shorter ht than BBT 50, V sturdy
straw watch grain shape
only fair

all sds from the A3-5 family
have shorter, sturdier straw than BBT 50

6495

Like 6496

6523

Too tall, consid taller than BBT50
grain too short
not good

6578

Too tall but good BBT grain
type

6652

short ht, short pan, gold smooth
long-grain but poor shape
PT 215 936 plant type

68

In Salvador Oct 9 to 12
Trip to Nilo Farms on 10th

The USDA nurseries were sown late (Aug 30 to Sept 4 check date) and were too young to be classified. A field of Gulchase that was nearing the boot stage was growing adjacent to the field. Sogatas were numerous in the Gulchase & no symptoms of white hoja blanca were showing. However, Barnyard grass was showing symptoms when growing in leaves & around border of field. A small increase plot of Cula 65 was showing an occasional hoja blanca plant as was Chellit variety from Venezuela.

A considerable interest was a group of Surinam varieties growing in small test plots. A number of the Surinam varieties showed hoja blanca resistance in tests at Nilo Farms at in Columbia tests. Check with Pete as to which he considers to be resistant to hoja blanca. Two of this group was considerably earlier than others & might have possibilities as a variety in USA. All had very dark green leaves & mostly rather narrow. The plots showed very second growth and most were making a very good regrowth. The earlier maturing strain was heading very uniformly (SML 81-B-25 & SML 81-B-25-2). Both were non pubescent.

Check with Dalek regarding quality of Surinam group. He probably checked most of this group for off characteristics. Available seed quality data to Morris on the ones he is interested in saving.

The Securian rancher ^{that} Mario Sol is interested in are as follows:

		HB	HB
1	SMH-81-B-25 Smooth, early 2nd Crop	Pet	ml
	heading very uniform, long grain	(1)	(1)
2	SMH-81-B-25-27, Like B-25	-	(1)
3	SMH 140-4-1-2-5 rough	2	2
4	SMH 140-4-1-2-6 "	-	0
5	SMH 140-4-1-2-10 "	0	0
6	K8C-140-16, rough	Tr	0
7	K8C-140-72-1, "	Tr	Tr
8	K8C-263-1, "	0	0
9	K8C-263-3, "	2	1
0	K8C-263-12, "	Tr	1
1	K10B-28-1, "	3	1
2	K10B-100-2, "	Tr	1
3	K12C-53-1, " lodged	1	-
4	KX-5, " sl longer than BSt	Tr	1
5	VD 5096-73-14 rough, too tall lodged	-	2
	long-grain, good shape, Mario increasing		
6	VD 5096-73-36	0	1
7	VD 5040-2-1-1,	1	0
8	Duma Sol Rough, little lodging long grain, little chaff, uneven maturity		
	Sol made by Mario Sol.		
9	R-25 (58 Remnant, lowly) has good long grain		
	has made 3 successive Crops. 1st Crop in 84 days (22 bbls per acre) 2nd crop in 63 days (18 bbls) and 3rd crop in about 63 days but not harvested as yet. Probably will make 15 bbls. Total about 50 bbls/acre. Stubble was cut as low as possible. or at about the one inch level.		

On the way to Melo Farms several fields were observed. Some high blancha symptoms were observed but none were serious. One field of Guelphose that had been harvested was reported to have been severely damaged by blight. Portions of field not harvested appeared to have been damaged by drought in addition to blight - were mostly on higher parts of the field. A field of Bolo & Mira was also showing serious blight damage.

At Nilo Farms blast was not causing any damage & Mario says that it has not been a problem.

Mario has increased R-R 251 and wants to grow it during the dry season. He realizes that it has some H.B. and may be susceptible to blast. The latter is of considerable concern to him but he is of the opinion that blast may be less of a problem during the dry season than during the wet season.

Mario is growing a small field of the R-R 251 in the San Andres valley near San Salvador that was damaged. It was being grown under upland conditions and hill planted. The field was nearing the first stage and occasional plants with H.B. symptoms were observed. Some were rather severe. Occasional blast lesions on leaves were also observed. He thinks that it will be possible to make 3 crops here similar to what he has been able to do at Nilo Farms. The blast reaction of R-R 251 is the question that is.

Uppermost in his mind concerning 251. From the Hoja Blanca reaction it might also be of concern.

We also saw a field of Nario nearby that looked very good. It was nearing maturity and was relatively free from diseases. No other diseases were observed. Earlier ^{in the season} Mario said that a few H.B. plants were present. The rice looked like it might yield near 20 lbs. per acre. It was an upland field and relatively free from off-types.

A few Fortuna type plants were observed and a few wild rice plants (probably *Oryza latifolia*) also a few Red Rice plants were found that looked like they might have been derived from a cross with the wild type because the panicles had the characteristic appearance of the wild species. Three panicles from one of these plants were collected and will be sent to Roy Adair by W.C. Davis.

Stops were made at two irrigated fields of Guelson. They were both in the San Andres valley and located on ~~at~~ the San Andres Experiment Station and the nearby College ~~camp~~. The one at the experiment station was about 45 days old sown in rows about 16" apart. It will be irrigated as necessary as the dry season is approaching. Occasional blast spots were observed. The second field ~~was~~ ^{near the college} ripe. It showed ~~rather~~ ^{more} symptoms but ~~less~~ ^{more} than 10% reduction in yield could be attributed to blast.

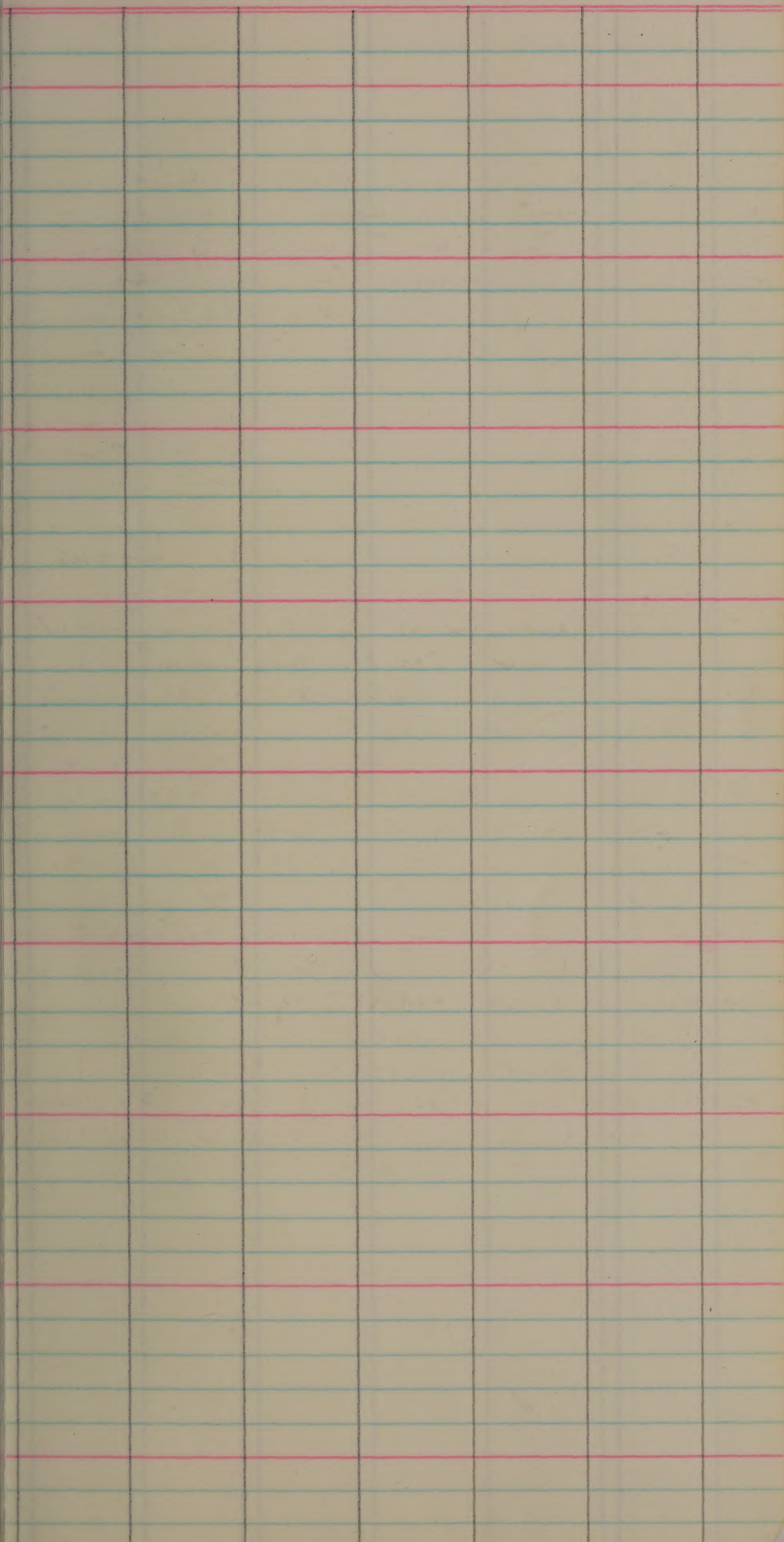
Sodging was apparent throughout the field and in a few locations severe sterility was observed. No apparent cause of the sterility was evident. The culms and the florets themselves were both green so it was probably not an organism that caused the sterility. Some physiological ~~prob~~ disturbance was suspected. Major had mentioned that similar symptoms were present at Nilo Farms and they were, particularly bad in

21
The Surman variety Lima.

A sweet corn experiment was observed in which plants showing disease symptoms were observed. This problem is thought to be a virus transmitted by an insect vector. Chlorotic symptoms, reddish margins of the leaves, stunting and suckering at nodes were said to be symptoms of the disease but it was not known whether all were caused by a common disease.

In a conference with Davis Molina and Ancozmo they requested that 3 sets of Arkansas, Louisiana and Texas material be supplied along with the Uniform nursery. Due to their primary interest in long-grain rice and the fact that heavy hoja blanca infection is somewhat remote they were reluctant to grow material other than that mentioned above. Medium & short-grain material might be limited to the maximum for nurseries sent here.

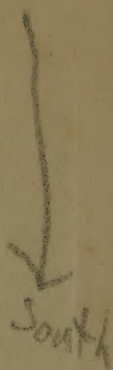
Davis requested that the Cuba material that he sent to Beltsville be sent to him. He wants only seeds from the greenhouse crop.



Plot Headon Bulk hybrid plots following Van. Field Pl

1. Sup. Bl. Row. plot 1201-

6. 1st - 7-24
7. 2nd - 7-22



West A.

Following Sup. Bl. Row 1120

1 — 8-6
2 — 8-3
3 — 7-30
4 — 8-3
5 — 7-21

4 / 6
1.5

South

Shaded 1514 unusual disease
specimen, show E.C.T. also 714

757

Th

Field plot border effect.

~~Bl Rose~~

~~Foot~~

Roxoro

~~Calico~~

594

603

607

~~Early Prot~~

Nursery

imp Blue Rose

~~F. Foot~~

~~Calico~~

~~Early Prot.~~

~~Delite~~

~~Delite~~

~~Academy~~

Roxoro

Field plots are 163.4 ft in length

SAMPLE PAGE.

VARIETAL TEST OF OATS, 1908.

CONDITIONS OF EXPERIMENT.

PLOT.

Location.....Field H.
Size.....1/20 acre.

SOIL.

Kind.....Prairie loam.
Position.....Somewhat rolling.
Previous crop.....Corn.

NAME AND CONDITION OF MACHINERY.

Plow.....
Disk.....Osborn.....Sharp.
Harrow.....U Bar.....Good.
Seeder.....Monitor.....Good.

SEED.

Variety.....Variable.
Weight per bushel.....Variable.
Source.....Variable.
Treatment.....Fanned clean and treated for smut.

SEED BED.

Preparation:

1. Disked (lapped half).....4-6-'08.
2. Disked (lapped half).....4-10-'08.
3. Harrowed.....4-10-'08.
4. Harrowed.....4-27-'08.
5. Seeded.....4-27-'08.
6. Harrowed.....4-27-'08.

SEEDING.

Manner.....Drilled.
Date.....4-27-'08.
Rate.....3 bushels per acre by weight.

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT.

PLOT.

Location _____

Size _____

SOIL.

Kind _____

Position _____

Previous crop _____

NAME AND CONDITION OF MACHINERY.

Plow _____

Disk _____

Harrow _____

Seeder _____

SEED.

Variety _____

Weight per bushel _____

Source _____

Treatment _____

SEED BED.

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING.

Manner _____

Date _____

Rate _____

TEST OF _____, 19 _____

CONDITIONS OF EXPERIMENT.

PLOT.

Location _____

Size _____

SOIL.

Kind _____

Position _____

Previous crop _____

NAME AND CONDITION OF MACHINERY.

Plow _____

Disk _____

Harrow _____

Seeder _____

SEED.

Variety _____

Weight per bushel _____

Source _____

Treatment _____

SEED BED.

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING.

Manner _____

Date _____

Rate _____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT.

PLOT.

Location _____

Size _____

SOIL.

Kind _____

Position _____

Previous crop _____

NAME AND CONDITION OF MACHINERY.

Plow _____

Disk _____

Harrow _____

Seeder _____

SEED.

Variety _____

Weight per bushel _____

Source _____

Treatment _____

SEED BED.

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING.

Manner _____

Date _____

Rate _____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT.

PLOT.

Location _____

Size _____

SOIL.

Kind _____

Position _____

Previous crop _____

NAME AND CONDITION OF MACHINERY.

Plow _____

Disk _____

Harrow _____

Seeder _____

SEED.

Variety _____

Weight per bushel _____

Source _____

Treatment _____

SEED BED.

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING.

Manner _____

Date _____

Rate _____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT.

PLOT.

Location _____

Size _____

SOIL.

Kind _____

Position _____

Previous crop _____

NAME AND CONDITION OF MACHINERY.

Plow _____

Disk _____

Harrow _____

Seeder _____

SEED.

Variety _____

Weight per bushel _____

Source _____

Treatment _____

SEED BED.

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING.

Manner _____

Date _____

Rate _____

TEST OF _____, 19

CONDITIONS OF EXPERIMENT.

PLOT.

Location _____

Size _____

SOIL.

Kind _____

Position _____

Previous crop _____

NAME AND CONDITION OF MACHINERY.

Plow _____

Disk _____

Harrow _____

Seeder _____

SEED.

Variety _____

Weight per bushel _____

Source _____

Treatment _____

SEED BED.

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING.

Manner _____

Date _____

Rate _____

TEST OF _____, 19____

CONDITIONS OF EXPERIMENT.

PLOT.

Location _____

Size _____

SOIL.

Kind _____

Position _____

Previous crop _____

NAME AND CONDITION OF MACHINERY.

Plow _____

Disk _____

Harrow _____

Seeder _____

SEED.

Variety _____

Weight per bushel _____

Source _____

Treatment _____

SEED BED.

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING.

Manner _____

Date _____

Rate _____

TEST OF _____, 19

CONDITIONS OF EXPERIMENT.

PLOT.

Location _____

Size _____

SOIL.

Kind _____

Position _____

Previous crop _____

NAME AND CONDITION OF MACHINERY.

Plow _____

Disk _____

Harrow _____

Seeder _____

SEED.

Variety _____

Weight per bushel _____

Source _____

Treatment _____

SEED BED.

Preparation :

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING.

Manner _____

Date _____

Rate _____

milling samples
placed in cans 101 -
200, except check samples
and samples noted below.

plot 44 in can 207

plot 95 in can - 216

Early group how. 8-31 + 9-1

		LEADING R.		RIPENING	
		1ST FULL	15	1ST FULL	15
1	Col x W, 31115	7-19	7-29	8-7	8-19
101		7-20	7-31	8-7	8-20
201		7-20	7-30	8-7	8-19
301		7-20	7-29	8-7	8-20
2	Colusa	7-21	7-31	8-10	8-21
102		7-21	7-31	8-10	8-21
202		7-22	7-31	8-10	8-20
302		7-23	7-31	8-11	8-20
3	29/6A8	7-27	8-6	8-14	8-25
103		7-30	8-7	8-15	8-25
203		7-29	8-7	8-14	8-24
303		7-28	8-7	8-13	8-26
4	Early Blue Rose	7-23	8-4	8-15	8-27
104		7-26	8-5	8-16	8-27
204		7-26	8-4	8-17	8-28
304		7-26	8-4	8-15	8-28
5	Early Prolific, 3214	7-27	8-6	8-17	8-27
105		7-30	8-7	8-19	8-27
205		7-30	8-7	8-19	8-28
305		7-29	8-6	8-18	8-28
6	Ark-141-8	7-26	8-5	8-13	8-21
106		7-27	8-6	8-12	8-21
206		7-28	8-5	8-13	8-21
306		7-28	8-6	8-12	8-21
7	Early Prolific, Ct	7-23	8-3	8-14	8-25
107		7-23	8-3	8-14	8-25
207		7-23	8-2	8-14	8-25
307		7-23	8-3	8-14	8-25
8	Dischlen	7-26	8-5	8-12	8-20
108		7-28	8-6	8-11	8-20
208		7-28	8-6	8-13	8-20
308		7-26	8-5	8-12	8-20

PLANT	LOGG	SHAK
HT.	INGT	TERING
(IN.)	%	

36

37

39

35

+

35

+

33

+

36

+

35

		D		DATES	
		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
9	Guininto, 3217	7-27	8-7	8-20	8-27
109		7-30	8-8	8-21	8-28
209		7-30	8-7	8-21	8-28
309		7-29	8-6	8-20	8-28
10	Guininto	7-27	8-5	8-16	8-25
110		7-28	8-6	8-16	8-25
210		7-27	8-3	8-15	8-25
310		7-26	8-3	8-16	8-26
11	C.I. 1546	7-26	8-6	8-13	8-21
111		7-27	8-6	8-13	8-20
211		7-27	8-6	8-13	8-20
311		7-26	8-6	8-13	8-20
12	Edith, T.S. 4805	7-23	8-3	8-7	8-21
112		7-23	8-3	8-9	8-21
212		7-24	8-2	8-8	8-21
312		7-23	8-2	8-7	8-21
13	Edith, 322	7-27	8-6	8-11	8-23
113	See also # 515	7-29	8-7	8-12	8-23
213		7-29	8-6	8-13	8-23
313		7-29	8-6	8-13	8-23
14	Shoemed, C.K.	8-4	8-11	8-19	
114		8-2	8-11	8-18	31
214		8-3	8-10	8-19	8
314		8-3	8-11	8-20	
15	Edith, T.S. # 19908	7-28	8-5	8-12	8-23
115		7-28	8-6	8-13	8-23
215		7-29	8-6	8-13	8-23
315		7-29	8-6	8-12	
16	2916A 12-2-1	7-23	8-3	8-7	8-19
116	See also plot 554	7-24	8-4	8-8	8-19
216		7-26	8-3	8-10	8-19
316		7-26	8-3	8-8	8-19

RW- TED	LANT LOGG	LE	SHAY
HT. (IN.)	ING %	SE	TERING
32			+
34			+
32			
33			+
34			
39			
37			
38			
<u>good</u>			

		D A T E S			
		H E A D I N G		R I P E N I N G	
		7-22	8-3	8-11	8-22
17	Lady Wright	7-22	8-3	8-11	8-22
117		7-23	8-3	8-11	8-22
217		7-23	8-2	8-10	8-22
317		7-24	8-3	8-9	8-22
18	Latex	7-27	8-6	8-13	8-23
118		7-29	8-7	8-13	8-23
218		7-29	8-6	8-14	8-23
318		7-29	8-7	8-13	8-23
19	283A 3-6	7-23	8-3	8-6	8-18
119	See also	7-23	8-4	8-7	8-18
219	Plot # 622	7-25	8-3	8-7	8-20
319		7-26	8-5	8-8	8-20
20	283A 5-4-4-1	7-27	8-4	8-13	8-23
120	See also	7-28	8-5	8-13	8-23
220	Plot-627	7-27	8-4	8-13	8-23
320		7-28	8-5	8-13	8-23
21	Early Prolific	7-20	8-3	8-14	8-25
121	<u>CK</u>	7-23	8-3	8-14	8-25
221		7-23	8-2	8-14	8-25
321		7-23	8-3	8-15	8-25
22	283A 2-8-9	7-28	8-5	8-14	8-21
122	See also	7-27	8-5	8-12	8-22
222	Plot # 607	7-27	8-4	8-13	8-22
322		7-29	8-6	8-13	8-22
23	283A 2-3	7-29	8-7	8-15	8-24
123	See also	7-30	8-8	8-13	8-23
223	Plot # 594	7-29	8-7	8-14	8-24
323		7-30	8-6	8-16	8-24
24	283A 1-2-3	7-27	8-5	8-14	8-23
124	See also	7-27	8-4	8-15	8-24
224	Plot-592	7-27	8-5	8-15	8-24
324		7-28	8-6	8-15	8-24

No.	HE (IN.)	ING %	HAT TERING	
	37			+
	39	Fair		
	37	good		
	40	Fair		
	41	Fairly good		+
	40	good		
	41	Very good in all series		
	44	Very good in all series		
		Fair, Too tall		

DATE

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
25	Storm Proof.	7-27	8-4	8-7	8-19
125		7-27	8-5	8-9	8-18
225		7-27	8-5	8-10	8-20
325		7-28	8-5	8-10	8-20
26	Montgagelifter, J223	7-28	8-6	8-13	8-20
126		7-29	8-6	8-12	8-20
226		7-29	8-6	8-12	8-20
326		7-30	8-6	8-12	8-20
27	Vintula	7-28	8-6	8-13	8-21
127		7-29	8-6	8-12	8-21
227		7-29	8-5	8-13	8-21
327		7-30	8-7	8-13	8-21
28	Shoemed, Ck	8-2	8-10	8-18	
128		8-2	8-11	8-19	
228		8-2	8-11	8-19	
328		8-3	8-11	8-20	
29	Honduras.	7-28	8-7	8-12	8-21
129		7-28	8-6	8-11	8-20
229		7-27	8-6	8-12	8-20
329		7-28	8-5	8-12	8-20
30	C.I. 1664	7-27	8-5	8-13	8-20
130		7-27	8-6	8-10	8-20
230		7-27	8-4	8-11	8-20
330		7-28	8-5	8-12	8-20
31	C.I. 5303	7-27	8-5	8-10	8-21
131		7-27	8-6	8-11	8-20
231		7-27	8-6	8-11	8-20
331		7-27	8-5	8-11	8-20
32	C.I. 2011	7-29	8-6	8-13	8-21
132		7-29	8-7	8-13	8-21
232		7-30	8-7	8-14	8-21
332		7-30	8-5	8-15	8-21

PLANT LODG-	HT.	ING	SHAY
(IN.)	%	TERING	

38

39

40

41

38

37

+

36

38

		D A T E S			
		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
33	C.I. 5304	7-29	8-5	8-13	8-21
133		7-29	8-5	8-13	8-21
233		7-29	8-6	8-12	8-21
333		7-29	8-5	8-12	8-21
34	Carolina Gold	7-30	8-7	8-14	8-23
134		7-30	8-8	8-15	8-23
234		7-31	8-7	8-14	8-23
334		7-30	8-7	8-14	8-23
35	Early Prolific,	7-23	8-3	8-14	8-25
135	<u>C/K</u>	7-23	8-4	8-14	8-25
235		7-24	8-2	8-14	8-25
335		7-23	8-3	8-14	8-25
36	C.I. 2013	7-30	8-8	8-13	8-21
136		7-30	8-9	8-13	8-20
236		7-30	8-9	8-13	8-21
336		7-29	8-8	8-13	8-21
<u>End of Early Group</u>					
37	<u>Med. Early Group</u>	8-7	8-16	8-20	9-8
137	T.S. 7190 (No. 8)	8-8	8-15	8-20	9-8
237		8-7	8-15	8-21	9-8
337		8-6	8-14	8-19	9-8
38	Caloro	8-6	8-14	8-28	9-9
138		8-5	8-13	8-29	9-8
238		8-6	8-13	8-28	9-8
338		8-6	8-13	8-28	9-8
39	C.I. 461	7-31	8-8	8-16	9-2
139		7-31	8-8	8-16	9-1
239		7-31	8-8	8-16	9-1
339		7-30	8-8	8-14	9-1
40	Calady	8-5	8-17	8-27	9-8
140		8-7	8-15	8-27	9-8
240		8-6	8-16	8-26	9-8
340		8-6	8-16	8-27	9-8

PLANT	HT. (IN.)	LODG. ING %	SHAW TERING
	40		
	35		
	38		+
	36		+
	41		
	41		
	Uniform lot & growth		
	40		
	36		
	Fairly uniform lot & growth		

		D		RIPENING	
		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
41	2914A14	8-12	8-20	8-31	9-12
141		8-10	8-18	8-31	9-10
241		8-11	8-18	8-29	9-12
341		8-11	8-17	8-29	9-12
42	Shoemed,	8-2	8-11	8-18	
142	<u>CK</u>	8-1	8-9	8-16	9-1
242		8-1	8-9	8-15	8-1
342		8-1	8-9	8-15	
43	2912A6	8-6	8-16	8-27	9-8
143		8-6	8-16	8-28	9-9
243		8-5	8-13	8-27	9-8
343		8-6	8-14	8-26	9-8
44	2912A33	8-8	8-18	9-1	9-9
144		8-10	8-18	9-1	9-10
244		8-8	8-18	9-1	9-10
344		8-8	8-18	9-1	9-10
45	CalxLW/3173-1	8-10	8-19	9-2	
145		8-12	8-19	9-2	9-12
245		8-10	8-19	9-2	
345		8-11	8-19	9-2	
46	241A(P1)31-2	8-8	8-16	8-28	9-8
146		8-8	8-16	8-29	9-8
246		8-8	8-16	8-28	9-8
346		8-9	8-16	8-28	9-8
47	ColxLW/31143	8-11	8-19	9-3	9-8
147		8-10	8-18	9-3	9-8
247		8-9	8-18	9-2	9-8
347		8-10	8-18	9-2	9-8
48	C.I.1168-2-1	8-9	8-17	8-24	9-5
148		8-7	8-15	8-25	9-5
248		8-8	8-18	8-25	9-6
348		8-9	8-17	8-25	9-6

		D		RIPENING	
		HEADING		1ST	FULL
49	Sup. Blue Rose,	8-20	8-27	9-1 ✓	9-23
149	<u>CK</u>	8-20	8-27		
249		8-20	8-27		
349		8-20	8-27		
50	C.I. 2711	7-31	8-8	8-16	8-25
150		7-30	8-8	8-15	8-25
250		7-31	8-8	8-15	8-25
350		7-30	8-8	8-15	8-24
51	C.I. 4866	8-7	8-16	8-20	9-4
151		8-6	8-13	8-20	9-3
251		8-7	8-13	8-20	9-3
351		8-5	8-13	8-19	9-3
52	Delitus	8-5	8-16	8-19	9-2
152		8-3	8-14	8-18	9-2
252		8-4	8-14	8-18	9-1
352		8-3	8-13	8-18	9-2
53	C.I. 5094	8-6	8-15	8-20	9-2
153		8-7	8-15	8-18	9-2
253		8-7	8-15	8-20	9-1
353		8-5	8-15	8-19	9-2
54	C.I. 4830	8-7	8-17	8-25	9-2
154		8-7	8-16	8-25	9-2
254		8-8	8-18	8-26	9-1
354		8-6	8-17	8-25	9-2
55	C.I. 4440	8-13	8-21	8-26	9-5
155		8-13	8-20	8-27	9-5
255		8-16	8-19	8-28	9-5
355		8-15	8-19	8-27	9-5
56	Shoemed,	8-1	8-10	8-16	8-31
156	<u>CK</u>	8-2	8-9	8-16	
256		8-3	8-9	8-16	
356		8-2	8-9	8-16	

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
57	C.I. 4060	8-10	8-19	8-26	9-6
157		8-10	8-18	8-27	9-5
257		8-12	8-17	8-28	9-5
357		8-12	8-18	8-28	9-5
58	283A 3-4	8-3	8-12	8-16	8-26
158	See also	8-3	8-12	8-16	8-26
258	Plot-616	8-3	8-13	8-17	8-26
358		8-3	8-13	8-17	8-26
59	283A 3-7-5	8-1	8-11	8-15	8-23
159	See also	8-2	8-10	8-15	8-24
259	Plot-625	8-2	8-11	8-15	8-24
359		8-2	8-11	8-15	8-24
60	283A 2-7-6	8-1	8-9	8-15	8-26
160	See also	8-2	8-10	8-16	8-26
260	Plot 603	8-2	8-10	8-15	8-26
360		8-2	8-12	8-16	8-26
61	283A 2-10-2	8-3	8-10	8-16	8-27
161	See also	8-3	8-12	8-17	8-27
261	Plot-611	8-2	8-12	8-17	8-27
361		8-2	8-12	8-18	8-27
62	283A 5-12	8-7	8-17	8-26	9-1
162	See also	8-9	8-19	8-27	9-3
262	Plot-630	8-7	8-18	8-26	9-1
362		8-8	8-19	8-26	9-1
63	Sup. Blue Rose	8-19	8-27	a-12	9-23
163		8-20	8-27		
263	<u>CK</u>	8-20	8-27		
363		8-20	8-27		
64	283A 5-11	8-7	8-16	8-25	9-1
164	See also	8-9	8-17	8-26	9-3
264	Plot-629	8-7	8-16	8-25	9-1
364		8-8	8-17	8-25	9-1
Sey apple color					

PLANT LODG.	HT.		SHAW	TERING
	(IN.)	ING		

42

41

40 Fairly good

41 Fairly good

41 very good plot, heavy panicle

41 good plot

46

42

DATE
PLANT
EMER.
(50%)

		D		RIPENING	
		HEADING			
		1ST	FULL	1ST	FULL
65	Texas Fortuna	8-8	8-17	8-26	9-6 ^E
165		8-9	8-18	8-27	9-5
265		8-8	8-18	8-26	9-5
365		8-8	8-18	8-27	9-6
66	Sel, 31165-1	8-10	8-17	8-27	9-6
166		8-10	8-18	8-28	9-5
266		8-8	8-18	8-26	9-5
366		8-8	8-18	8-27	9-6
67	C.I. 4966	8-11	8-19	8-27	9-7
167		8-13	8-20	8-28	9-6
267		8-12	8-19	8-27	9-6
367		8-12	8-19	8-27	9-6
68	C.I. 4603	8-13	8-20	8-28	9-7
168		8-15	8-21	8-29	9-7
268		8-13	8-20	8-28	9-7
368		8-14	8-20	8-28	9-7
69	C.I. 2738	8-10	8-18	8-26	9-6
169		8-11	8-18	8-26	9-6
269		8-12	8-19	8-26	9-6
369		8-12	8-19	8-26	9-6
70	Shoemed,	8-1	8-9	8-16	
170		8-2	8-10	8-16	
270	<u>CK</u>	8-1	8-9	8-15	
370		8-1	8-9	8-16	9-31
71	C.I. 3829	8-13	8-20	8-26	9-7
171		8-13	8-21	8-27	9-7
271		8-12	8-20	8-27	9-7
371		8-12	8-19	8-27	9-7
End of Mod Early Group					
72	Late Maturing Var.	8-15	8-23		
172	C.I. 1428	8-15	8-23		
272		8-16	8-23		
372		8-16	8-23		9-17

HARVESTED	PLANT LOGS	HT. (IN.)	DBH (IN.)	HAY TERING					
		43							
		43							
		41							
		46							
		45							
		43							
		42							
		43							

		HEADING		DATES RIPENING	
		1ST	FULL	1ST	FULL
73	Wateribume	8-15	8-23	9-8	9-17
173		8-15	8-23		
273		8-16	8-23		
373		8-16	8-23		
74	Acadia	8-15	8-23	9-8	9-17
174		8-15	8-23		
274		8-16	8-23		
374		8-16	8-24		
75	Omachii	8-15	8-23	9-8	9-17
175		8-16	8-23		
275		8-16	8-23		
375		8-16	8-24		
76	C.I. 7447	8-15	8-23	9-8	9-17
176		8-15	8-23		
276		8-16	8-23		
376		8-16	8-24		
77	Sup. Blue Rose,	8-20	8-27	9-10	9-23
177		8-20	8-27		
277	<u>C.K.</u>	8-20	8-27		
377		8-20	8-28		
78	Shinriki	8-14	8-23	9-8	9-19
178		8-14	8-23		
278		8-16	8-23		
378		8-16	8-24		
79	C.I. 4700	9-4	8-15	9-13	9-20
179		9-3			
279		9-4			
379		9-4			
80	Imp. Blue Rose	8-16	8-24	9-8	9-19
180		8-17	8-24	9-8	
280		8-17	8-24	9-8	
380		8-17	8-24	9-8	

HARVESTED	PLANT LODG.		SHADING						
	HT. (IN.)	ING %							
	45								
	45								
	42								
	43								
	45								
	36								
	57								
	44								

		D A		RIPENING	
		HEADING		1ST	FULL
81	Blue Rose	8-25 ST	8-27		
181		8-20	8-27	9-11	9-21
281		8-20	8-27		
381		8-20	8-28		
82	C.I. 1160	8-19	8-26		
182		8-20	8-26	9-11	9-21
282		8-19	8-26		
382		8-19	8-27		
83	Tinuco	8-15	8-24	9-9	
183		8-16	8-24	9-10	
283		8-17	8-24	9-9	9-20
383		8-18	8-24	9-9.	
84	Shoemed,	8-3	8-9	8-16	
184		8-3	8-9	8-16	
284	<u>CK</u>	8-3	8-9	8-16	8-31
384		8-3	8-9	8-16	
85	2911A18-1-1	8-19	8-28	9-7	9-17
185		8-20	8-28	9-6	
285		8-19	8-27	9-6	
385		8-19	8-27	9-6	
86	C.I. 2430	8-19	8-29	9-6	9-16
186		8-20	8-28	9-6	
286		8-21	8-29	9-7	
386		8-20	8-28	9-7	
87	Nira	8-14	8-22	8-28	9-8
187		8-15	8-23	8-28	9-8
287		8-16	8-24	8-30	9-9
387		8-16	8-24	8-30	9-9
88	C.I. 4191	8-14	8-22	8-28	9-8
188		8-16	8-23	8-28	9-8
288		8-16	8-24	8-30	9-9
388		8-16	8-24	8-30	9-9

HARVESTED	PLANT	LODG-	AT
	HT. (IN.)	ING %	ING
	45		
	42		
	43		
	44		
1-2	45	Stands up well + heavy yield of grain	
	42	shorter period between 1st / 4th / full ripen than BR	
	50		
	49		

		HEADING		RIPENING	
		BY FULL	1	1ST FULL	
89	Tokalon	8-16	8-23	8-29	9-8
189		8-16	8-23	8-28	9-8
289		8-19	8-25	8-31	9-9
389		8-18	8-25	8-31	9-9
90	C.I. 4295	8-16	8-24	9-1	9-9
190		8-16	8-24	9-31	9-9
290		8-16	8-24	9-2	9-10
390		8-16	8-25	9-2	9-10
91	Sup. Blue Rose	8-20	8-27		
191		8-20	8-27		
291	<u>ck</u>	8-21	8-27	9-12	9-23
391		8-20	8-27		
92	C.I. 2938	8-19	8-26	9-3	9-17
192		8-18	8-26	9-3	
292		8-20	8-27	9-5	
392		8-19	8-27	9-3	
93	C.I. 4450	8-15	8-23	8-28	9-18
193		8-16	8-23	8-29	
293		8-18	8-25	8-31	
393		8-18	8-25	8-31	
94	C.I. 4554	8-16	8-25	9-4	9-16
194		8-16	8-26	9-4	
294		8-16	8-26	9-5	
394		8-16	8-26	9-4	
95	Iola	8-29	9-9		
195		8-29	9-9		
295		8-29	9-9	9-17	9-28
395		8-29	9-9		
96	C.I. 4504	8-27	9-6		
196		8-27	9-6		
296		8-27	9-6	9-16	9-27
396		8-27	9-7		

ARV- STED	PLANT LODG	SHAPE
HT.	ING	TERING
(IN.)		
46		rough pr apic
46		sm. like new
43		
43		good hulls pr apic
42		wht!
43		stripped hulls
45		
48		good!

		HEADING	1ST	FULL	RIPENING	1ST	FULL
97	C.I. 3212	8-25	9-3	9-12	9-20		
197		8-25	9-5				
297		8-25	9-5				
397		8-25	9-5				
98	Shoemed,	8-2	8-9	8-16			
198		8-3	8-9	8-16			
298	<u>CK</u>	8-4	8-9	8-16	9-31		
398		8-3	8-9	8-16			
99	C.I. 4660	9-2	9-17	9-19	10-		
199		9-2					
299		9-2					
399		9-3					
100	Rexoro	9-6	9-17	9-22	10-4		
200		9-6					
300		9-6					
400		9-5					

Samples for milling test from Series I, placed in cans 1-100, can not corresponding to plot nos., except checks which are as follows.

Plot no.	Var.	Milling Can no.	Shelling Can no.
7	Early Prod.	212	221
28	Shoemed	289	222
35	Early Prod.	294	223
49	L. Blue Rose	295	224
56	Shoemed	419	225
77	L. Blue Rose	440	203
84	Shoemed	465	204

HARV- ESTED	LUDG		SHAT- TERING
	HT. (IN.)	ING %	
	48		
	44		wht gl.
9-2	43		
	46		open pan

Shelling samples of 50-grams weighed from each milling sample can on Nov. 26 and sealed.

Shelling sample can ^{no.} 207 from 101-200. Can no. corresponding with and series' plot no. except check plots. 2 samples noted below.

Plot 44 in can 207

Plot 45 in can 216

Shelling test completed Dec. 5

Early group, hors. 9-1 (few sel. not hors. on 9-1)

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
501	Ai Koku	7-28	8-8	8-17	
1001		7-30	8-7	8-19	8-28
1501		7-29	8-7		
502	Cal x h W, 31423	7/20	7/30	8-10	
1002		7/23	7/31	8-10	8-26
1502		7-21	7-30	8-7	
503	Cal x h W, 3140-1	7-25	8-5	8-12	
1003		7-27	8-5	8-12	8-27
1503		7-25	8-4		
504	Cal x h W, 314	7-17	7-26	8-7	
1004		7-18	7-27	8-6	8-25
1504		7-16	7-25	8-4	
505	Cal x h W, 3169-1	8-10			
1005		8-7	8-17	8-31	9-8
1505		8-7			
506	Sel. 3210	8-7	8-16		
1006		8-6	8-14	8-27	9-7
1506		8-5			
507	Early Prolific	7-26	8-4	8-17	
1007		7-27	8-5	8-16	8-27
1507	<u>Cl</u>	7-25	8-3		
508	Sel. 3211	8-8	8-17		
1008		8-8	8-16	8-28	9-7
1508		8-7			

Early group 2nd shrub measured for lat
 2nd Early group 3rd " " " "
 Late group 1st " " " "

14

PLANT LOGG.	HT. (IN.)	ING %	SHAP TERING						
	34		+						
	37		+						
	36		+						
	33								
	39								
	41		++						
	40		+						
	40		+						

		HEADING		D		RIPENING	
		1ST	FULL			1ST	FULL
509	Storm Proof, 3225	7-28	8-6	8-12			
1009		7-29	8-7	8-12	8-21		
1509		7-27	8-7				
510	Storm Proof, 3224	7-28	8-6	8-10			
1010		7-28	8-7	8-11	8-20		
1510		7-27	8-5	8-7			
511	Sel. 3229	7-23	8-1	8-10	-		
1011		7-24	8-2	8-11	8-20		
1511		7-21	7-30	8-8			
512	Sel. 3228	7-22	8-1	8-13			
1012		7-24	8-2	8-12	8-20		
1512		7-23	7-30	8-8			
513	Edith, 321	7-29	8-9	8-17			
1013		7-30	8-9	8-15	8-25		
1513		7-28	8-5				
514	Skoomed,	8-1	8-9				
1014		8-3	8-10	8-19	9-31		
1514	ck	7-29	8-7				
515	Edith, 322	7-29	8-7	8-15			
1015	See also	7-30	8-8	8-14	8-25		
1515	Plot-13	7-28	8-6				
516	Edith, 323	7-28	8-6	8-11			
1016		7-29	8-7	8-12	8-20		
1516		7-26	8-5	8-8			

HARV- STER	PLANT HT. (IN)	LODG- ING %	SHAT- RING				
	39						
	39						
	38						
	36						
	39						
	42						
	37						
	35						

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
517	Early Prolific Sel.	7-27	8-3	8-15	
1017		7-27	8-3	8-16	8-27
1517	T.S. 2198	7-25	7-31		
518	Early Blue Rose, 3216	7-28	8-7	8-17	
1018		7-29	8-7	8-17	8-28
1518		7-26	8-5		
519	Early Prolific, 3212	7-28	8-6	8-17	
1019		7-29	8-7	8-17	8-28
1519		7-26	8-5		
520	Early Prolific, 3218	7-30	8-8		
1020		7-30	8-10	8-20	8-28
1520		7-28	8-7		
521	Early Prolific,	7-27	8-6	8-17	
1021		7-28	8-6	8-18	8-28
1521	<u>CK</u>	7-26	8-5	8-8	
522	Early Prolific	7-30	8-8		
1022	T.S. 19962	7-30	8-10	8-19	8-28
1522		7-28	8-7		
523	C.I. 5354	7-29	8-7	8-15	
1023		7-30	8-9	8-14	8-26
1523		7-27	8-5	8-8	
524	C.I. 5361	7-30	8-10	8-17	
1024		8-3	8-11	8-17	8-27
1524		7-29	8-7		

OBSERVED	PLANT LODG-		L	SHADE	WIND	TEMP	HUMID	MOIST	SUN
	HT.	ING							
	(IN.)	%							

36

+

34

33

+

33

+

33

+

34

+

35

35

Very poor

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
525	C.I. 5205	7-30	8-8	8-17	
1025		8-1	8-9	8-18	8-26
1525		7-29	8-5		
526	C.I. 2697	7-30	8-10	8-17	
1026		8-1	8-11	8-15	8-27
1526		7-29	8-7		
527	C.I. 3794	8-1	8-12		
1027		8-2	8-12	8-18	8-28
1527		7-29	8-7		
528	Shoemed,	8-3	8-11		
1028		8-2	8-11	8-18	8-31
1528	<u>CK</u>	7-31	8-7		
529	C.I. 4602	8-6	8-14		
1029		8-6	8-14	8-25	8-31
1529		8-5			
530	Tamasari, 218-1-8-2	8-3	8-12		
1030		8-2	8-10	8-27	9-3
1530		8-1			
531	Kameji	8-10	8-17		
1031		8-9	8-16	8-29	9-8
1531		8-7			
532	C.I. 1215b	8-8	8-15		
1032		8-9	8-16	8-27	9-4
1532		8-6			

IRV- TED	PLANT LODG- PLANT HT.		IF OT	SHAPE TERING				
	HT. (IN.)	ING %						
	40							
	37							
	36							
	41							
	38							
	42			+				
	41			h				
	44							

		HEADING		A F E S	
		1ST	FULL	1ST	RIPENING FULL
533	291A3-1-1	7-29	8-8	8-12	
1033		7-30	8-9	8-13	8-21
1533		7-28	8-6		
534	291A11-2-1	7-29	8-9	8-17	
1034		7-29	8-7	8-17	8-28
1534		7-28	8-7		
535	Early Prolific,	7-27	8-4	8-17	
1035		7-27	8-4	8-17	8-28
1535	<u>ck</u>	7-25	8-3		
536	294A5-5-1	7-29	8-6	8-13	
1036		7-29	8-6	8-12	8-21
1536		7-28	8-5		
537	295A9-1-1	7-30	8-7	8-16	
1037		7-28	8-6	8-14	8-21
1537		7-28	8-5		
538	295A18-2-2	8-10			
1038		8-11	8-17	8-28	9-7
1538		8-8			
539	295A18-2-3	8-8	8-16		
1039		8-7	8-15	8-28	9-6
1539		8-5			
540	2916A2-1-1	7-27	8-6	8-11	
1040		7-26	8-6	8-12	8-20
1540		7-24	8-5	8-8	

PLANT LODG- HT. (IN.)	ING	SHAT- TERING							

36

37

36

37

35

41

39

36

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
541	2916A3-2-1	7-30	8-7	8-17	
1041		7-30	8-9	8-17	8-27
1541		7-28	8-7		
542	Shoemed,	8-3	8-10		
1042		8-3	8-10	8-19	8-31
1542	<u>ck</u>	8-2	8-7		
543	2916A5-2-1	7-30	8-7	8-17	
1043		7-29	8-7	8-16	8-28
1543		7-27	8-5		
544	2916A7-1-1	8-2	8-11		
1044		8-1	8-12	8-19	8-27
1544		7-29	8-7		
545	2916A7-1-2	8-2	8-11		
1045		8-2	8-11	8-18	8-28
1545		7-29	8-7		
546	2916A7-2-2	8-3	8-10		
1046		8-2	8-10	8-18	8-28
1546		7-29	8-8		
547	2916A7-4-1	8-2	8-10		
1047		7-30	8-9	8-18	8-28
1547		7-29	8-7		
548	2916A8-3-1	8-4	8-14		
1048		8-3	8-12	8-18	8-27
1548		8-4			

PLANT LOGS	HT. (IN.)	ING %	SHAP TERING						
	39								
	41								
	37								
	38								
	36								
	37								
	36								
	35								

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
549	Early Prolific,	7-27	8-5	8-16	
1049		7-27	8-6	8-17	8-27
1549	<u>ck</u>	7-26	8-5		
550	29/6A 9-1-1	7-27	8-4	8-10	
1050		7-26	8-5	8-12	8-20
1550		7-25	8-3		
551	29/6A 9-2-1	7-29	8-7	8-12	
1051		7-28	8-6	8-12	8-20
1551		7-27	8-5		
552	29/6A 9-6-1	7-29	8-7	8-13	
1052		7-28	8-7	8-14	8-20
1552		7-27	8-5		
553	29/6A 10-4-2	7-30	8-9	8-14	
1053		7-29	8-9	8-14	8-21
1553		7-28	8-7		
554	29/6A 12-2-1	7-28	8-6	8-14	
1054	see also	7-26	8-6	8-13	8-20
1554	Plot - 16	7-26	8-5		
555	29/6A 14-1-1	8-4	8-12		
1055		8-2	8-13	8-17	8-27
1555		8-1			
556	Shoemed,	8-2	8-10		
1056		8-2	8-10	8-19	8-29
1556	<u>ck</u>	7-31	8-7		

RV- TED	PLANT LODG-		SHAT- TERING				
	HT. (IN.)	ING %					
	37		+				
	35						
	35						
	35						
	37		+				
	37						
	40		+				
	42						

		HEADING			RIPENING	
		1ST	FULL	1ST	FULL	
557	2916A15-3-1	8-1	8-9	8-14		
1057		7-29	8-7	8-14	8-20	
1557		7-27	8-6			
558	2916A16-1-1	7-30	8-9	8-14		
1058		7-29	8-6	8-13	8-20	
1558		7-27	8-5			
559	2916A17-3-1	8-1	8-10	8-17		
1059		7-29	8-7	8-17	8-27	
1559		7-28	8-7			
560	2916A18-2-1	8-3	8-13			
1060		8-1	8-12	8-18	8-20	
1560		7-30				
561	2916A23-1-1	8-6	8-14			
1061		8-3	8-15	8-20	8-31	
1561		8-4				
562	2916A25-2-1	7-30	8-10	8-17		
1062		7-30	8-11	8-17	8-30	
1562		7-29				
563	Early Prolific,	7-26	8-5	8-14		
1063		7-26	8-5	8-16	8-27	
1563	<u>clk</u>	7-25	8-5			
564	2916A25-2-2	8-4	8-13			
1064		8-4	8-13	8-21	8-29	
1564		8-2				

ARV- TED DATE	PLANT LODG-		L S	SHAP TERING				
	HT (IN.)	ING %						
	37			+				
	39							
	37							
	36							
	36							
	38							
	38							
	38			+				

2nd early group born. (9-1+9-2) complete

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
565	2916A 28-4-2	8-2	8-10	8-18	
1065		8-3	8-11	8-19	8-29
1565		8-2			
566	2916A 28-4-4	8-4			
1066		8-5			
1566		8-3	8-12	8-18	8-30
567	2916A 28-5-5	7-29	8-7		
1067		7-30		5	
1567		7-28	8-7	8-14	8-28
568	2916A 31-5-2	7-27	8-6		
1068		7-30			
1568		7-27	8-7	8-13	8-27
569	2917A 27-1-2	7-30			
1069		8-3			
1569		7-30	8-10	8-18	8-27
570	Shocmed, Ck.	7-29	8-7		
1070		8-3	5		
1570		8-2	8-10	8-19	8-31
571	2918A 5	7-27	8-6		
1071		8-2			
1571		7-30	8-10	8-18	8-28
572	2918A 4-1-1	7-29	8-6		
1072		8-3			
1572		7-30	8-10	8-16	8-26

HARVESTED	PLANT LODG- HT. ING (IN.) %	L E	SHAT- TERING				
	39						
	46						
	46						
	39						
	37						
	41						
	38						
	37						

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
573 1073 1573	2918A6-4-3	8-3 8-7 8-5	8-13	8-18	8-27
574 1074 1574	2918A36-1-1	7-30 8-6 7-30	8-10	8-18	8-28
575 1075 1575	2919A3-2-1	7-30 8-6 7-30	8-10	8-18	8-28
576 1076 1576	2919A6-5-1	7-30 8-3 7-29	8-7	8-17	8-30
577 1077 1577	Lady Wright, <u>CK</u>	7-25 7-29 7-25	8-3 8-5 8-5	8-15	8-20
578 1078 1578	2919A11-1-1	7-30 8-4 7-30	8-9	8-14	8-21
579 1079 1579	2919A12-1-1	7-27 8-2 7-27	8-5 8-7	8-14	8-20
580 1080 1580	2919A13-5-1	7-30 8-5 7-31	8-8 8-10	8-18	8-27

RV- TED	PLANT LODG- HT (IN.)	ING %	SHAPE TERING	WT			
	37			+			
	37			++			
	39						
	42			+			
	39			+			
	40						
	41			+			
	38						

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
581 1081 1581	2919A19-1-1	8-4 8-6 8-7	8-14	8-20	8-30
582 1082 1582	2920A2-3-1	7-31 8-5 7-30	8-7 8-10	8-18	8-30
583 1083 1583	2920A11-7-1	7-26 7-30 7-27	8-5 8-6	8-18	8-26
584 1084 1584	Shoamed, <u>ck.</u>	8-1 8-5 8-3	8-7 8-9	8-19	8-31
585 1085 1585	2920A12-4-1	7-26 7-29 7-29	8-4 8-5	8-16	8-26
586 1086 1586	2920A12-5-1	7-27 7-30 7-29	8-5 8-5	8-16	8-26
587 1087 1587	2920A23-1-1	7-28 7-30 7-30	8-6 8-7	8-17	8-26
588 1088 1588	2920A25-3-1	7-30 8-2 8-3	8-11	8-20	8-27

RV-ED	PLANT LOGG- HT. (IN.)	ING %	SHAPE TERING				
	37						
			++				
	38						
			++				
	37						
	38						
	36						
	37						
	37						
	37						
	37						

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
589	2920A 29-2-1	8-4			
1089		8-7			
1589		8-7	8-17	8-24	9-1
590	283A 1-1-7	7-30	8-6		
1090		8-2			
1590		7-30	8-7	8-16	8-30
591	Lady Wright,	7-26	8-3		
1091		7-27	8-5		
1591	<u>CK.</u>	7-25	8-5	8-14	8-20
592	283A 1-2-3	7-27	8-5		
1092	(see also)	8-2			
1592	(Plot-24)	7-30	8-7	8-17	8-27
593	283A 1-4-5	7-30	8-7		
1093		8-3			
1593		7-31	8-9	8-19	8-28
594	283A 2-3	7-30	8-7		
1094	(see also)	8-3			
1594	(Plot-23)	8-1	8-11	8-19	8-27
595	283A 2-4-1	7-30	8-7		
1095		8-4			
1595		8-3	8-10	8-18	8-29
596	283A 2-4-5	7-30	8-7		
1096		8-4			
1596		8-3	8-11	8-19	8-28

PLANT LODG- HT. (IN.)	ING %	SHAN TERING					
36							
43							
36							
40							
41							
40							
38							
41							

fairly good, sh. irregular lot

good, uni lot.

sh. 2m. lot

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
597	283A2-5-4	7-29	8-7		
1097		8-3			
1597		8-2	8-11	8-18	8-28
598	Shoemed,	7-31	8-7		
1098		8-5			
1598	<u>CK.</u>	8-4	8-11	8-20	8-31
599	283A2-5-7	7-30	8-7		
1099		8-3			
1599		8-2	8-10	8-19	8-28
600	283A2-6-2	7-31	8-7		
1100		8-6			
1600		8-5	8-11	8-22	8-31
601	283A2-7-1	7-31	8-7		
1101		8-6			
1601		8-5	8-12	8-21	9-1
602	283A2-7-3	7-31	8-6		
1102		8-3			
1602		8-3	8-12	8-19	8-29
603	283A2-7-6	7-31	8-6		
1103	(see also)	8-3			
1603	(Plot-60)	8-3	8-11	8-20	8-28
604	283A2-8-5	7-27	8-5		
✓104		7-30			
✓604		7-30	8-10	8-17	8-27

AV- TED	PLANT LODG-		SHAW TERING						
	HT. (IN.)	ING %							

40

2m. ht. tall

41

40

38

40

38

39

38

good uniform plot

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
605 1105 1605	Lady Wright, <u>CK.</u>	7-25 7-26 7-26	8-3 8-5 8-6	8-16	8-21
606 1106 1606	283A2-8-7,	7-29 7-30 8-3	8-5 8-11	8-18	8-29
607 1107 1607	283A2-8-9 (See also Plot-22)	7-27 7-30 8-3	8-5 8-11	8-18	8-29
608 1108 1608	283A2-9-4	7-31 8-3 8-6	8-6 8-14	8-21	9-1
609 1109 1609	283A2-9-6	7-30 8-2 8-3	8-6 8-13	8-20	8-29
610 610 1110 1610	283A2-9-8	8-2 8-5 8-5	8-8 8-14	8-21	9-1
611 1111 1611	283A2-10-2 (See also Plot-61)	8-3 8-5 8-5	8-12	8-21	9-2
612 1112 1612	Shoemed, <u>CK.</u>	8-2 8-4 8-5	8-13	8-21	8-31

PLANT LODG.

ING

SHAT

(IN.)

TERING

37

38

37

308 Good plot, sl. neg. lt.

36

37

good uniform plot

38

good Uniform plot

4D

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
613	283A3-2-1	8-7			
1113		8-7			
1613		8-7	8-16	8-23	8-30
614	283A3-2-5	8-7			
1114		8-7			
1614		8-7	8-14	8-24	8-30
615	283A3-3-4	8-6			
1115		8-7			
1615		8-6	8-15	8-20	8-30
616	283A3-4	8-4			
1116	(See also)	8-5			
1616	(Plot-58)	8-6	8-14	8-20	8-30
617	283A3-4-5	8-4			
1117		8-6			
1617		8-6	8-14	8-20	8-31
618	283A3-5-1	7-29			
1118		7-30			
1618		7-30	8-9	8-15	8-30
619	Lady Wright,	7-25	8-4		
1119		7-26	8-5		
1619	<u>CK.</u>	7-26	8-5	8-14	8-20
620	283A3-5-5	7-28	8-5		
1120		7-29	8-7		
1620		7-29	8-7	8-14	8-27

RV	HT. (IN.)	ING %	SHAP	TERING					
	37								
	35		poor						
	39		poor						
	38								
	36								
	37								
	36								
	40								

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
621	283A3-5-8	8-4			
1121		8-3			
1621		8-5	8-13	8-17	8-31
622	283A3-6	7-27	8-4		
1122	(See also)	7-26	8-5		
1622	(Plot-19)	7-28	8-6	8-12	8-20
623	283A3-6-3	7-26	8-5		
1123		7-25	8-6		
1623		7-27	8-5	8-12	8-20
624	283A3-7-3	7-30	8-7		
1124		7-30			
1624		7-30	8-13	8-18	8-28
625	283A3-7-5	7-30	8-8		
1125	(See also)	7-31			
1625	(Plot-59)	8-2	8-	8-18	9-31
626	Shoemed,	7-31	8-8		
1126		8-1			
1626	<u>CK.</u>	7-3	8-11	8-20	8-31
627	283A5-4-4-1	7-26	8-4		
1127	(See also)	7-27	8-5		
1627	(Plot-20)	7-29	8-6	8-16	8-27
628	283A5-6-1-1	7-30	8-8		
1128		7-29			
1628		8-2	8-10	8-18	9-1

RV- TED	PLANT LODG- HT. (IN)	ING %	L S	SHAW TERING				
	40							
	38							
	37							
	40							
	41							
	41							
	39							
	39							

		HEADING		DATES RIPENING	
		1ST	FULL	1ST	FULL
629	283A5-11	8-8			
1129	(See also)	8-7			
1629	(Plot-64)	8-9	8-18	8-27	9-4
630	283A5-12	8-8			
1130	(See also)	8-7			
1630	(Plot-62)	8-10	8-19	8-27	9-4

Late Maturing Varieties:

631	Sel- 31155-1				
1131					
1631		8-10	8-17	8-20	9-4

632	C.I. 7338				
1132					
1632		8-9	8-16	8-23	9-6

633	Sup. Blue Rose				
1133	<u>Ck.</u>				
1633		8-20	8-28	9-12	9-23

634	C.I. 2732				
1134					
1634		8-11	8-18	8-25	9-6

635	C.I. 4294				
1135					
1635		8-9	8-17	8-21	9-4

636	C.I. 2632				
1136					
1636		8-10	8-18	8-26	9-4

PLANT LOGG

HT. (IN.)	ING %	SHAW TERING			
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38

38

40

40

43

40

41

37

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
637 1137 1637	C.I. 3937	8-13	8-20	8-27	9-6
638 1138 1638	C.I. 3880	8-13	8-20	8-28	9-7
639 1139 1639	C.I. 4714	8-13	8-19	8-27	9-9
640 1140 1640	Shoemed, <u>CK.</u>	8-4 8-5 8-4	8-12	8-19	8-31
641 1141 1641	C.I. 7143	8-22	9-1	9-5	9-19
642 1142 1642	C.I. 7225	8-12	8-20	9-1	9-8
643 1143 1643	C.I. 7253	8-11	8-18	8-27	9-8
644 1144 1644	Tamosori, 218-7	8-15	8-24	9-3	9-18

	PLANT LODG	HT. (IN.)	ING %	SHAN TERMS			
		44					
		42					
		40					
		40					
		48					
		40					
		41					
		40					

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
645 1145 1645	C.I. 5662	8-19	8-27	9-8	9-20
646 1146 1646	C.I. 5661	8-26	9-2	9-19	9-30
647 1147 1647	Sup. Blue Rose, <u>CK.</u>	8-20	8-28	9-1 ^N	9-23
648 1148 1648	C.I. 5661-1	9-26	9-2	9-19	9-30
649 1149 1649	C.I. 5548	9-22	9-1	9-19	9-30
650 1150 1650	C.I. 5343	9-4	9-15	9-19	9-30
651 1151 1651	Cal x L W, 3177	8-12	8-18	9-2	9-10
* 652 1152 1652	29/A/9-3-1	8-13	8-21	9-1	9-7

		READING		RIPENING	
		1ST	FULL	1ST	FULL
653 1153 1653	292A6-6-1	8-1 8-1 8-1	8-10	8-14	8-27
654 1154 1654	Shoemed, <u>CK.</u>	8-3 8-3 8-3	8-10	8-19	8-31
655 1155 1655	293A7-2-1	8-9	8-15	8-19	9-3
656 1156 1656	298A8-2-1	7-31 7-31 7-31	8-10	8-17	8-27
657 1157 1657	298A19-1-1	8-11	8-18	8-28	9-4
658 1158 1658	298A20-3-1	8-10	8-17	8-28	9-7
659 1159 1659	299A2-4-1	7-30 8-1 8-1	8-9	8-14	8-21
660 1160 1660	2910A20-3-2	7-30 7-31 7-29	8-9	8-12	8-21

IRV- TED	PLANT LODG.		SHAT	
	HT. (IN.)	ING %	CRS	TERING
	39			
	41			
	41			
	39			
	41			
	43			
	38			
	39			

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
661 1161 1661	Sup. Blue Rose, <u>CK.</u>	8-20	8-28	9-12	9-23
662 1162 1662	2911A2-2-3	8-2 8-3 8-2	8-12	8-25	9-8
663 1163 1663	2911A18-1-1 (See also Plot-85)	8-18	8-28	9-6	9-16
664 1164 1664	2912A6-4-2	8-10	8-16	8-31	9-15
665 1165 1665	2912A12-1-1	8-17	8-26	9-6	9-18
666 1166 1666	2912A28-1-1	8-15	8-24	9-5	9-19
667 1167 1667	2912A42-2-1	8-19	8-26	9-9	9-20
668 1168 1668	Shoe med, <u>CK.</u>	8-3 8-3 8-3	8-11	8-19	8-31

		DATES			
		HEADING	RIPENING		
		1ST FULL	1ST FULL	1ST FULL	1ST FULL
669 1169 1669	2913A29-4-1	8-17	8-24	9-7	9-17
670 1170 1670	2914A3-1-1	8-10	8-17	9-1	9-14
671 1171 1671	2914A4-1-1	8-13	8-21	9-5	9-16
672 1172 1672	2914A9-3-2	8-17	8-26	9-9	9-19
673 1173 1673	2914A19-4-1	8-10	8-16	9-3	9-11
674 1174 1674	2914A33-3-1	8-12	8-21	8-29	9-12
675 1175 1675	Sup. Blue Rose, <u>CK</u>	8-20	8-28	9-12	9-23
676 1176 1676	2914A33-4-1	8-17	8-25	9-7	9-15

RV- ED	PLANT LODG- HT. (IN.)	ING. %	SHAN- TERING				
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39

41

39

41

37

38

41

38

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
677 1177 1677	2917A19-5-1	8-20	8-27	9-5	9-15
678 1178 1678	2917A29-6-1	8-3 8-3 8-3	8-11	8-16	9-3
679 1179 1679	2917A30-1-1	8-17	8-24	9-2	9-14
680 1180 1680	2918A11-2-2.	8-13	8-18	8-24	9-9
681 1181 1681	2918A27-3-1	8-17	8-25	9-8	9-14
682 1182 1682	Shoemed, <u>ck.</u>	8-1 8-4 8-3	8-10	8-18	8-31
683 1183 1683	2918A29-1-1	8-19	9-1	9-6	9-18
684 1184 1684	Kabo-ong, 327	8-17	8-26	9-4	9-14

		HEADING	RIPENING			
		1ST FULL	1ST FULL			
685 1185 1685	C.I. 3381	8-18	8-25	9-5	9-14	
686 1186 1686	C.I. 3564	8-18	8-28	9-5	9-14	
687 1187 1687	Bruinmissie	8-19	8-29	9-11	9-20	
688 1188 1688	Imp. Blue Rose	8-20	8-28	9-12	9-23	
689 1189 1689	Sup. Blue Rose, <u>CK.</u>	8-20	8-28	9-12	9-23	
690 1190 1690	Tinuco, 3221	8-21	8-30	9-12	9-20	
691 1191 1691	Sup. Blue Rose, 3219	8-22	8-31	9-13	9-25	
692 1192 1692	Sup. Blue Rose, 3220.	8-22	8-31	9-13	9-25	

PLANT LODG.

V-D	HE. (IN.)	ING %	SHAFT TERING						
	42								
	42								
	40								
	41								
	41								
	42								
	41								
	40								

Earlier hoo. 8-31

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
701	243A 5-8	7-19	7-28	8-6	8-17
702	Col x L.W. 3/95	7-14	7-21	8-1	8-9
703	Col x L.W. 3/128	7-19	7-28	8-3	8-17
704	Col x L.W. 3/130	7-19	7-28	8-7	8-20
705	Col x L.W. 3/119	7-20	7-28	8-8	8-20
706	Col x L.W. 3/83	7-18	7-27	8-7	8-17
707	Early Prolific, <u>CK</u>	7-27	8-5	8-14	8-27
708	Col x L.W. 3/12	7-17	7-23	8-3	8-16
plots					
709	Col x L.W. 3/92	7-20	7-30	8-10	8-17
710	C ₁	7-29	8-9	8-12	8-21
711	C ₂	7-27	8-9	8-12	8-21
712	C ₃	7-29	8-9	8-12	8-21
713	C ₄	7-29	8-9	8-12	8-21
714	Shoetmed, <u>CK</u>	8-3	8-9	8-19	8-31
715	H-30	7-26	8-5	8-13	8-20
716	C.I. 5310	8-3	8-11	8-17	8-27

REV. ED	PLANT HT. (IN.)	LODG- ING %	SHAT- TERING				
	37						10
	36						50
	38						60
	43		+				40
	40						20
	38						100
	40		+				100
	38						100
	40		+				100
	40		+				100
	40		+				100
	38		Th				100
	38						100
	39						100
	43						100
	42						100
	43						100

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
717	C.I. 5335	8-2	8-10	8-15	8-28
718	C.I. 4508	8-3	8-13	8-19	8-30
719	C.I. 5798	8-3	8-12	8-18	8-28
720	C.I. 3025	8-1	8-13	8-21	8-31
721	Early Prolific, <u>Ck.</u>	7-26	8-5	8-15	8-26
722	PR-325	7-30	8-10	8-15	8-27
723	C.I. 3171	8-6	8-14	8-20	8-28
724	Naglampas	7-26	8-7	8-13	8-21
725	Butte	7-30	8-7	8-20	8-29
726	Kinaryom, 324	7-23	8-1	8-5	8-18
727	Early Prolific, 341	7-23	8-3	8-16	8-27
728	Shoemed, <u>Ck.</u>	8-3	8-11	8-20	8-31
729	C.I. 7132	7-23	7-31	8-7	8-18
730	29/A 3-1-2	7-29	8-7	8-14	8-25
731	29SA1-1-1	7-28	8-9	8-17	8-25
732	29SA1-2-1	7-23	8-3	8-14	8-24

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
733	293A2-12-2	7-29	8-7	8-21	8-27
734	2911A2-2-2	8-1	8-8	8-21	8-30
735	Early Prolific, <u>CK</u>	7-26	8-5	8-17	8-26
736	2913A29-1-1-1	7-23	8-3	8-16	8-26
737	2916A7-3-1-1	7-30	8-9	8-18	8-27
738	2916A8-2-1-1	8-3	8-12	8-20	8-26
739	2916A10-3-1-1	7-27	8-3	8-13	8-20
740	2916A12-1-1-1	8-5	8-13	8-21	8-31
741	2916A13-1-2-1	8-3	8-11	8-21	8-31
742	Shoemed, <u>CK</u>	8-3	8-10	8-19	8-31
743	2916A17-4-1-1	7-29	8-7	8-19	8-27
744	2916A19-1-1-1	7-27	8-6	8-8	8-25
745	2916A21-1-1-1	7-27	8-4	8-14	8-21
746	2916A28-1-1-1	8-2	8-9	8-19	8-25
747	2916A29-2-1-1	8-2	8-10	8-20	8-29
748	2916A31-4-1-1	7-27	8-6	8-15	8-26

PLANT	HT.	ING	SHAN	ERING		
42				+	good	847
44					good	847
42				+		847
39					Heavy yielding type with uniform let & growth, abate then ep.	847
44					good	847
41						847
42					good	847
43				+	grad	847
44				+	grad.	847
43				tr		847
40						847
39						847
43						847
44					very good	847
44						847
44						847

		D		ATES	
		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
749	Early Prolific, <u>ck</u>	7-26	8-5	8-16	8-26
750	2916A34-3-3-1	8-3	8-11	8-21	8-31
751	2916A35-1-1-1	8-23	8-31	9-15	9-29
752	2916A37-2-1-1	8-24	8-29	9-15	9-24
753	2917A3-4-1	7-30	8-11	8-15	8-26
754	2917A5-2-2	7-30	8-12	8-16	8-27
755	2918A6-2-1	8-5	8-12	8-20	8-31
756	Shoemed, <u>ck</u>	8-4	8-12	8-29	8-31
757	2918A9-1-1	7-30	8-10	8-20	8-28
758	2919A8-2-1	7-30	8-10	8-18	8-29
759	2919A13-3-1-1	8-3	Seq.		
760	2919A16-4-1	7-30	8-11	8-20	8-29
761	2919A16-5-1-1	7-30	8-7	8-19	8-28
762	2919A18-2-1-1	7-29	8-6	8-16	8-21
763	Early Prolific, <u>ck</u>	7-27	8-5	8-17	8-26
764	2919A29-3-1	7-30	8-10	8-20	8-29

RV- ED	PLANT LODG.		L S	SHAT TERING				
	HT. (IN.)	ING %						
	43			+				
	41			+	good			
	50							
	42			+				
	37			+	very poor			
	35			+	very poor			
	38			+				
	42							
	39							
	38							
	47			+				
	39				seg maturity poor			
	42							
	39							
	41			+				
	39							

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
765	283A2-1-2-1-1	8-4	8-13	8-19	8-28
766	283A2-2-2-1-1	8-4	8-13	8-19	8-27
767	283A2-4-3-1-1	8-2	8-11	8-18	8-26
768	283A2-5-2-1-1	8-3	8-12	8-19	8-27
769	283A2-9-4-1-1	8-2	8-11	8-18	8-26
770	Shoemed, <u>Ck.</u>	8-3	8-11	8-19	8-31
771	283A3-2-7-1-1	8-7	8-14	8-23	8-31
772	283A3-3-4-1-1	8-6	8-13	8-20	8-31
	(End of North Half of Block)				
773	283A3-5-4-1-1	8-7	8-15	8-20	9-31
774	283A3-5-8-1-1	8-6	8-15	8-20	9-31
775	283A5-1-4-1-1	8-10	8-18	8-25	9-5
776	283A5-1-5-1-1	8-9	8-17	8-25	9-5
777	hedy Wright, <u>ck.</u>	7-26	8-3	8-13	8-21
778	283A5-2-6-1-1	8-10	8-18	8-26	9-6
779	283A5-3-4-1-1	8-11	8-18	8-26	9-8
780	283A5-3-12-1-1	8-9	8-16	8-25	9-5

PLANT	HT.	LODG- ING	SHADE TENDING	NT					
32									
44									
43									
46									
44									
45									
43									
44									
46									
44									
45									
40									
37									
43									
42									
41									

retains leaves very well

retains leaves very well

leg

+

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
781	283A5-4-2-1-1	8-9	8-17	8-23	9-5
782	283A5-8-2-1-1	8-8	8-16	8-23	9-5
783	283A5-9-8-1-1	8-11	8-19	8-28	9-7
784	Shoemed, <u>ck.</u>	8-3	8-10	8-18	8-31
785	283A5-10-6-2-1	8-10	8-17	8-27	9-7
786	283A5-11-1-1-1	8-10	8-18	8-27	9-8
787	283A6-1-7-1-1	8-10	8-17	8-26	9-7
788	283A6-2-8-1-1	8-10	8-18	8-26	9-6
789	283A6-6-1-1-1	7-29	8-6	8-16	8-21
790	283A10-1-9-1-1	8-8	8-17	8-26	9-7
791	Lady Wright, <u>ck.</u>	7-26	8-3	8-14	8-20
Medium Early Varieties:					
792	Col x LW, 31148	8-7	8-16	8-26	9-9
793	Col x LW, 31141	8-11	8-19	9-1	9-12
794	Ca/x LW, 3184	7-27	Aug 8-16	8-25	9-17
795	Ca/x LW, 3175	8-3	Aug 8-15	8-26	9-12
796	Sei. 2189 (Austr.)	8-6	8-14	8-25	9-8

PLANT	HT. (IN.)	LODG- ING %	SHAPE TERMIN						
	42								
	42								
	42								
	42								
	43								
	43								
	45								
	44								
	43								
	44								
	42								
	42								
	43								
	39								
	40								
	37								

tall irregular etc.

tr

+

~~tr~~ good

+

V. good

+

+

+

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
797	Nagayon, 325	8-5	8-13	8-20	8-31
798	Shoemed, <u>CK.</u>	8-2	8-10	8-17	8-31
799	Pimling Daniel, 326	8-5	8-13	8-20	8-30
800	Pimling Daniel	8-5	8-13	8-20	8-30
801	C.I. 2997	8-13	8-20	8-26	9-2
802	C.I. 4322	8-14	8-20	8-31	9-7
803	29/A 21-4-1	8-12	8-19	8-27	9-8
804	292 A15	8-8	8-17	8-28	9-11
805	Sup. Blue Rose, <u>CK</u>	8-19	8-27	9-12	9-23
806	29/2 A5-1-1	8-13	8-21	9-3	9-19
807	29/2 A7-2-2-1	8-12	8-19	9-1	9-20
808	29/2 A11-1-1	8-11	8-18	9-5	9-18
809	29/2 A19-2-1-1	8-14	8-20	9-6	9-20
810	29/2 A20-4-1-1	8-10	8-16	9-3	9-15
811	29/2 A23-1-1-1	8-13	8-20	9-6	9-16
812	Shoemed, <u>CK.</u>	8-2	8-10	8-18	8-31

PLANT	LODG.	SHAT	WT	
HT.	ING	TERING		
(IN.)	%			
41			Fairly good	88
44				88
37				88
37				00
41			and, fair	100
37				00
40			±	00
43			++	00
44			++	00
41			++	00
42			tr	Jones likes very good
41			+	Jones likes
45			+	
43			+	good, cut
45			tr	Jones likes
43				

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
813	2912A35-1-2-1	8-12	8-18	9-4	9-16
814	2912A42-2-1-2	8-16	8-24	9-7	9-20
815	2913A3-1-1-1	8-14	8-22	9-5	9-18
816	2913A6-3-2-2	8-13	8-21	9-7	9-19
817	2913A30-1-1-1	8-12	8-18	9-4	9-17
818	2913A31-2-1-3	8-14	8-21	9-5	9-18
819	Sup. Blue Rose, <u>ck</u>	8-19	8-27	9-10	9-27
820	2913A91-2-1-4	8-10	8-17	8-31	9-15
821	2913A31-3-1-1	8-11	8-18	9-2	9-15
822	2914A9-1-2-1	8-9	8-17	9-1	9-13
823	2914A11-1-1-1	8-10	8-17	9-2	9-14
824	2914A14-2-1-1	8-9	8-13	8-25	9-9
825	2914A17-1-1-1	8-10	8-17	9-2	9-15
826	Shoemed, <u>ck</u>	8-2	8-11	8-18	8-31
827	2914A22-3-2-1	8-19	8-28	9-12	9-2
828	2914A27-1-1-1	8-11	8-18	9-2	9-1

PLANT	LODG.	1	SHAN				
HT.	ING	:	TERING				
(IN.)	%						
43			tr				
45			tr	good			
45			+				
43			+				
45			+				
46			+	Jones likes			
45			++	good.			
45			+	Jones likes			
43			+	Very good f.w.f.			
43			++				
44			+				
43			+	Very good f.w.f.			
42			++				
44							
48			+				
46			tr				

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
829	2914A36-4-1-1	8-15	8-23	9-7	9-19
830	2917A9-3-1-1	8-16	8-25	9-1	9-14
831	2917A27-10-1	8-15	8-25	9-1	9-18
832	2918A3-2-1-2	8-5	8-14	8-21	9-6
833	Sup. Blue Rose, <u>ck</u>	8-19	8-27	9-12	9-23
834	C.I. 3546	8-6	8-17	8-25	9-7
835	C.I. 3491	8-10	8-19	9-21 leg	9-13
836	C.I. 7414	8-5	leg 8-20	9-2	9-15
837	C.I. 3699	8-13	8-21	9-1	9-14
838	C.I. 1297	8-11	8-21	8-31	9-12
<u>Late Maturing Varieties:</u>					
839	C.I. 4682	8-10	8-22	8-31	9-13
840	Shoemed, <u>ck</u>	8-2	8-10	8-18	8-31
841	C.I. 7357	8-17	8-25	9-7	9-20
842	Col x LW, 31146-1	8-12	8-23	9-2	9-16
843	C.I. 4375 (6-1)	8-15	8-24	9-1	9-14
844	C.I. 4427 (glut.)	8-2	8-15	8-14	8-27

End of Block

PLANT	LOGG-			
HT.	ING			
(IN.)	%			
46		tr	J.W. & Vengod	
46		+		
45		+		
45				
42		++		
44		tr		
43		+		
43		++		
45				
47				
44				
45				
31		++		
46		+		
48		tr		
51				

		HEADING		RIPENING	
		1ST FULL		1ST FULL	
Sown on East End of late 3. row 16 Foot Block					
845	C.I. 4630 (6 lat.)	8-5	8-14	8-20	8-30
846	C.I. 5399 (6 lat.)	8-19	8-28	9-8	9-19
847	Sup. Blue Rose, Ck	8-20	8-27	9-12	9-23
848	C.I. 3882	died			
849	Sel-342	8-20	8-28	9-12	9-23
850	283A10-3-1-1-2	8-21	8-28	9-9	9-24
851	283A10-3-6-1-1	8-21	8-29	9-10	9-20
852	291A16-8-2-1	8-15	8-24	9-2	9-10
853	291A19-3-3-1	8-10	8-19	9-3	9-9
854	Shoemed, Ck.	8-3	8-11	8-17	9-31
855	295A18-1-1-1	8-10	8-18	8-31	9-8
856	297A11-2-1-1	8-19	8-26	9-5	9-17
857	298A21-1-1-1	8-20	8-28	9-9	9-21
858	299A10-1-1-1	8-19	8-27	9-8	9-20
859	2911A40-2-2-1	8-20	8-28	9-8	9-22
860	2911A41-1-1-1	8-19	8-28	9-5	9-19

REV- FED	PLANT LODG- HT. (IN.) ING %	SHAW TESTING				
✓	39					
	38					
	40					
	40					
	41					
	44					
	41					
	40					
	40					
✓	41					
	45	Lacks good.				
	43					
	44					
	43					
	43					
	44					

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
861	Sup. Blue Rose, <u>ck</u>	8-20	8-27	9-12	9-23
862	2920A 3-2-1	7-30	8-7	8-16	8-26
863	2920A 9-9-1-1	8-5	8-13	8-19	8-29
864	323A 3-5-3	9-25	9-4	9-14	9-25

ALL

PLANT	LODG.	SHAPE
HT.	ING	TERING
(IN.)	%	
44		
39		
40		
42		
41		
43		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
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91		
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94		
95		
96		
97		
98		
99		
100		

✓ = sent to Wash

6001 Col x Lw, 31115 ✓

6002 Colusa ✓

6003 2916A8 g. Not sent to

6004 Early Blue Rose

6005 Early Prolific, 3214 ✓

6006 Ark-141-8 g. ✓

6008 Dischler ✓ probably same as

6009 Guininto, 3217 ✓

6010 Guininto ✓

6011 C.I. 1546 ✓

6012 Edith, T.S. 19805 ch. ✓

6013 Edith, 322 ch ✓

6015 Edith, T.S. 19908 g ✓

6016 2916A 12-2-1 g. longer ✓

6017 Lady Wright mix ✓

6018 Latex g. ✓

unless otherwise designated 49

Vash acc. not pure.

C.I. 5303

Det. 192.322

6019 283A3-6 g. ✓

6020 283A5-4-4-1 g. ✓

6022 283A2-8-9 g. ✓

6023 283A2-3 g. ✓

6024 283A1-2-3 too tall ✓

6025 Storm Proof ✓

6026 Mortgage letter 3223 ✓

6027 Vintala ✓

6029 Honduras ✓

6030 C.I. 1664 appears to be same

6031 C.I. 5303 ✓ picker

6032 C.I. 2011 ✓ great

6033 C.I. 5304 ✓ full

6034 Carolina Gold ✓

6036 C.I. 2013 ✓

6037 T.S. No. 7190 ✓

Very heavy growth

Fairly good but not equal to 6020

s/ Honduras

- 6038 Caloro ✓
- 6039 C.I. 461 ✓ Gold H
- 6040 Calady ✓ Fair
- 6041 29/4A/4 g. not sent Wash.
- 6043 29/2A6 ✓ Res. apr color.
- 6044 29/2A33 ✓ Fair
- 6045 CalxLW, 3/73-1 ✓ g.
- 6046 24/A(P1)31-2 ✓ Fair
- 6047 ColxLW, 3/143 ✓ g.
- 6048 C.I. 1168-2-1 ✓ Too tall
- 6050 C.I. 2711 ✓ Nice Lg.
- 6051 C.I. 4866 ✓ " Lg
- 6052 Delitas ✓ Fair
- 6053 C.I. 5094 ✓ Comp. small
Hull gold.
- 6054 C.I. 4830 ✓ Purple hulls.
- 6055 C.I. 4440 ✓ Fair

Seq. grain type.

appears to be seq for arc. resistance

- | | | | |
|------|---------------|-----------|---------------------|
| 6057 | C.I. 4060 | Jeri | ✓ |
| 6058 | 283A3-4 | great lg. | ✓ |
| 6059 | 283A3-7-5 | g | ✓ |
| 6060 | 283A2-7-6 | g | ✓ |
| 6061 | 283A2-10-2 | g | not sent, see row - |
| 6062 | 283A5-12 | g | not sent see row |
| 6064 | 283A5-11 | unseen | not sent see row |
| 6065 | Texas Fortuna | Mix | ✓ |
| 6066 | Sel. 31165-1 | Jeri | ✓ |
| 6067 | C.I. 4966 | 2nd Fall | ✓ |
| 6068 | C.I. 4603 | 2nd Fall | ✓ |
| 6069 | C.I. 2738 | " " | ✓ |
| 6071 | C.I. 3829 | " " | ✓ |
| 6072 | C.I. 1428 | | ✓ |
| 6073 | Wateribune | | ✓ |
| 6074 | Acadia | | ✓ |

Improv; sl. irregular, taller than 6060

Heavier, + sl. taller than 6060 thi
⁶⁰⁶⁰
 med. lit., unif.

6611

6630

6629

6075	Omachi	✓
6076	C.I. 7447	✓
6078	Shinriki	✓
6079	C.I. 4700	✓
6080	Imp. Blue Rose	✓
6081	Blue Rose	✓
6082	C.I. 1160	✓
6083	Tinuco	✓
6085	2911A18-1-1	leg. ep. edr. not sent to
6086	C.I. 2930	late. ✓
6087	Nira	fy 2nd year ✓
6088	C.I. 4191	fy " " ✓
6089	Tokalon	fy " " ✓
6090	C.I. 4295	fy " " ✓
6092	C.I. 2938	fy " " ✓
6093	C.I. 4450	fy " " ✓

Vach. acc. Leg gain type,

6094 C.I. 4554^h 700 700

6095 Iola

6096 C.I. 4504

6097 C.I. 3212 200 700

6099 C.I. 4660

6100 Rexoro

4303

4304

4305

4306

4307

4308

4309

4310

4311

4312

4313

4314

4315

4316

4317

4318

4319

4320

- | | | | |
|------|--------------------|------------|-----------|
| 6501 | Aikoku | ✓ | |
| 6502 | Col x Lw, 31123 | ✓ | |
| 6503 | Cal x Lw, 3140-1 | g ✓ | |
| 6504 | Cal x Lw, 314 | ✓ | |
| 6505 | Cal x Lw, 3169-1 | g ✓ | |
| 6506 | Sel. 3210 | g ✓ | |
| 6508 | Sel. 3211 | g ✓ | |
| 6509 | Storm Proof, 3225 | best ✓ | |
| 6510 | Storm Proof, 3224 | ✓ | |
| 6511 | Sel. 3229 | 2nd only ✓ | |
| 6512 | Sel. 3228 | " " ✓ | |
| 6513 | Edith, 321 | Best ✓ | |
| 6515 | Edith, 322 | ✓ | |
| 6516 | Edith, 323 | ✓ | |
| 6517 | E. Prolific, Sel. | mix ✓ | T.S. 2198 |
| 6518 | E. Blue Rose, 3216 | ✓ | |

Better than sel 322

sh. grain + not as heavy as 321

Similar to Stormproof

gold hull.

6519 E. Prolific, 32/2 ✓

6520 E. Prolific, 32/8 longer
need than 6519 ✓

6522 Early Prolific, later ✓

6523 C.I. 5354, poor ✓

6524 C.I. 5361 like 1645 ✓

6525 C.I. 5205 for seed ✓

6526 C.I. 2697 m-w, seed ✓

6527 C.I. 3794 m- Compact
m-p hull ✓

6529 C.I. 4602 m-S poor ✓

6530 Tom. 212-1-8-2 Discolored
sh. hulls ✓

6531 Kameji ✓

6532 C.I. 12156 too tall
fr. apertures, 2g. ✓

6533 29/A3-1-1 Fair ✓

6534 29/A11-2-1 g. ✓

6536 294A5-5-1 ng ✓

6537 295A9-1-1 ng. ✓

appears to have little straw

only fair

fairly good

poor.

poor

6538	295A18-2-2	fair	✓
	m		
6539	295A18-2-3	"	✓
	m		
6540	29/6A2-1-1	fair	✓
	m		
6541	29/6A3-2-1	fair	✓
6543	29/6A5-2-1	fair	✓
	long		
6544	29/6A7-1-1	good	✓
	m		
6545	29/6A7-1-2		✓
	m	fair	
6546	29/6A7-2-2		✓
	m	fair	
6547	29/6A7-4-1	fair	in
	m		
6548	29/6A8-3-1	fair	✓
	m		
6550	29/6A9-1-1	p	✓
	long		
6551	29/6A9-2-1	p.	✓
	long		
6552	29/6A9-6-1		✓
	long	fair	
6553	29/6A10-4-2		✓
	m	fair	
6554	29/6A12-2-1	fair	✓
	long		
6555	29/6A14-1-1	good	✓
	long		

assist to care.

only fair
poor

good, uniform

only fair

fair not sent to Wash

only fair, uniform

good

557	29/6A15-3-1	long	fair	✓	
558	29/6A16-1-1	long		✓	
559	29/6A17-3-1	m	Poor	✓	
560	29/6A18-2-1	long	fair	✓	
561	29/6A23-1-1				not sent to Wash
562	29/6A25-2-1	long	fair	✓	
564	29/6A25-2-2	long	fair	✓	
565	29/6A28-4-2	m	fair	✓	
566	29/6A28-4-4	m	fair	✓	
567	29/6A28-5-5	long	fair	✓	
568	29/6A31-5-2	2-m		✓	
569	29/7A27-1-2	unseen	g. but not sig.	✓	
571	29/8A5	m	fair		not sent to Wash
572	29/8A4-1-1	long	fair	✓	
573	29/8A6-4-3	m	fair		not sent to Wash
574	29/8A36-1-1	long	Poor		not sent to Wash

Fairly good

poor

good

good.

good

only fair

Fairly good

good

Fairly good

Fairly good.

good, stiff straw

6575	2919A3-2-1	leg	not sent to Wash
6576	2919A6-5-1 <i>long</i>	Join	not sent to Wash
6578	2919A11-1-1 <i>m</i>	only	✓
6579	2919A12-1-1 <i>m</i>	Join	✓
6580	2919A13-5-1 <i>m</i>	long pencil	not sent to Wash
6581	2919A19-1-1 <i>long</i>	" "	✓
6582	2920A2-3-1 <i>long</i>	Poor	not sent to W
6583	2920A11-7-1 <i>long</i>	Poor	do
6585	2920A12-4-1 <i>long</i>	Poor	do
6586	2920A12-5-1 <i>m</i>	See api color	do
6587	2920A23-1-1	Poor	do
6588	2920A25-3-1	Poor	do
6589	2920A29-2-1	Poor	do
6590	283A1-1-7 <i>long</i>	Join	do
6592	283A1-2-3	"	✓
6593	283A1-4-5	"	✓

Fairly good.

Fairly good

Fairly good

6594	283A2-3	good	✓
6595	283A2-4-1	"	✓
6596	283A2-4-5	"	✓
6597	283A2-5-4	"	✓
6599	283A2-5-7	"	✓
6600	283A2-6-2	"	✓
6601	283A2-7-1	"	✓
6602	283A2-7-3	✓, ✓	✓
6603	283A2-7-6	v. good	✓
6604	283A2-8-5	good	✓
6606	283A2-8-7	good	✓
6607	283A2-8-9	"	✓
6608	283A2-9-4	"	✓
6609	283A2-9-6	"	✓
6610	283A2-9-8	"	✓
6611	283A2-10-2	"	✓

Uni, good, 2rr. grain type

good, Uniform

good

good

V. good.

good, Uni, Better than 6060 as far
as uniformity + growth is concerned
only fair

good

V. good, sl. taller than average

good

good

good but sl. irregular maturity

6613	283A3-2-1	unseen	✓
6614	283A3-2-5	"	✓
6615	283A3-3-4	"	✓
6616	283A3-4	"	✓
6617	283A3-4-5	"	✓
6618	283A3-5-1	"	✓
6620	283A3-5-5	good	✓
6621	283A3-5-8	good	✓
6622	283A3-6	seen	✓
6623	283A3-6-3	"	✓
6624	283A3-7-3	good	✓
6625	283A3-7-5	"	✓
6627	283A5-4-4-1	good	✓
6628	283A5-6-1-1	"	✓
6629	283A5-11	unseen	✓
6630	283A5-12	"	✓

early fair

poor, appears to be seg

good, irregular lit.

good

Tall, sl. later than average

early type, good, uniform, better
than 6622
Tall, good

Early, only fair
good

good, early

good, colored apical

6631	Sel. 31155-1	anura	✓
6632	C.I. 7338		✓
	Compset, long-gr	grain	
6634	C.I. 2732		✓
	long-gr	gold H	
6635	C.I. 4294		✓
	long-gr	fair	
6636	C.I. 2632		✓
	long-gr	skin	
6637	C.I. 3937		✓
	long-gr	no full	
6638	C.I. 3880		✓
	long-gr	no full	
6639	C.I. 4714		✓
	long-gr	no full	
6641	C.I. 7143	free discords	✓
6642	C.I. 7225		✓
	long-gr	poor	
6643	C.I. 7253		✓
	long-gr	gold H	✓
6644	Tam. - 218-7		✓
	sh-gr	fair	
6645	C.I. 5662		✓
	sh-gr	-	
6646	C.I. 5661		✓
6648	C.I. 5661-1		✓
6649	C.I. 5548		✓
	sh-gr	fair	

resistant to Cerc.

resist to Cerc.

Very good row, resist. Cerc

resist to Cerc.

resist to Cerc.

6650	C.I. 5343	same res.	✓
6651	Calx h W, 3177 sh-gr	good	✓
6652	291A19-3-1 long-gr	good	not sent to Wash
6653	292A6-6-1	dry	not sent to Wash
6655	293A7-2-1	uneven	✓
6656	298A8-2-1 long-gr	uneven	✓
6657	298A19-1-1 long-gr	join	✓
6658	298A20-3-1 long-gr	join	✓
6659	299A2-4-1 long-gr	join	not sent to Wash
6660	2910A20-3-2	poor	✓
6662	2911A2-2-3	uneven	✓
6663	2911A18-1-1 m	good	not sent to Wash
6664	2912A6-4-2 m	v. good	✓
6665	2912A12-1-1 m	join	✓
6666	2912A28-1-1 m	join	✓
6667	2912A42-2-1 m	join	✓

acc. seg grain type

acc seg.

resist acc. but very poor pan.

acc. seg of type

acc. seg grain type

6669	2913A29-4-1	m	fair	✓
6670	2914A3-1-1	m to short	good	✓
6671	2914A4-1-1	m	fair	✓
6672	2914A9-3-2	m	fair	✓
6673	2914A19-4-1	m	good	✓
6674	2914A33-3-1	m	unknown	✓
6676	2914A33-4-1	m	fair	✓
6677	2917A19-5-1	long	.	✓
6678	2917A29-6-1	long	fairly g.	not sent to Wash
6679	2917A30-1-1		unknown	✓
6680	2918A11-2-2		unknown	not sent to Wash
6681	2918A27-3-1	m		✓
6683	2918A29-1-1	m		✓
6684	Kabo-Ang, 327	long	Poor	✓
6685	C.I. 3381	med.	Poor	✓
6686	C.I. 3564	sh.	Poor	✓

are by

6687 Brinnissie ✓ wht

6688 Imp Blue Rose ✓ "
 m hls B.R.

6690 Tinuco, 3221 ✓ "

6691 S. Blue Rose, 3219 ✓ "

6692 S. Blue Rose, 3220 ✓ "



6701	243A5-8	Perr	✓
6702	Col x h W, 3195	Perr	✓
6703	Col x h W, 31128	Perr	✓
6704	Col x h W, 31130	"	✓
6705	Col x h W, 31119	"	✓
6706	Cal x h W, 3183	"	✓
6708	Cal x h W, 312	"	✓
6709	Cal x h W, 3192	"	✓
6710	C1	"	✓
6711	C2	"	✓
6712	C3	"	✓
6713	C4	"	✓
6715	H-30	"	✓
6716	C.I. 5310.	"	✓
6717	C.I. 5335	"	✓
6718	C.I. 4508	guellet. Perr	✓

About 1/2 h. Stone Perr

6719	C.I. 5798		✓
6720	<i>long-gr. gold H. Fair</i> C.I. 3025	<i>No Value</i>	✓
6722	PR-325		✓
6723	<i>Sh-gr. gold H. Poor</i> C.I. 3171	<i>Poor</i>	✓
6724	Naglampas	<i>Poor</i>	✓
6725	Butte	<i>Poor</i>	✓
6726	Kinaryom, 324	<i>Poor</i>	✓
6727	E. Prolific, 341	<i>Poor</i>	✓
6729	C.I. 7132	<i>Poor</i>	✓
6730	<i>long-gr. very long Pencil</i> 29/A3-1-2	<i>Poor</i>	✓
6731	293A1-1-1	<i>Poor</i>	✓
6732	293A1-2-1	<i>Poor</i>	✓
6733	293A2-12-2	<i>Fair</i>	✓
6734	2911A2-2-2	<i>Fair</i>	not sent L.W. Co
6736	2913A29-1-1-1	<i>Good</i>	✓
6737	<i>m</i> 2916A7-3-1-1	<i>Fairly good</i>	✓

acc. Big grain type

66738	29/6A8-2-1-1	Porr	not sent to Wash
66739	^{m-l} 29/6A10-3-1-1	Fair	not sent to Wash
66740	^m 29/6A12-1-1-1	good	✓
66741	^{long} 29/6A13-1-2-1	Porr	not sent to
66743	^m 29/6A17-4-1-1	Porr	not sent to Wash
66744	29/6A19-1-1-1	Porr	not sent to Wash
66745	^m 29/6A21-1-1-1	Porr	not sent to Wash
66746	^m 29/6A28-1-1-1	Porr	not sent to Wash
66747	^m 29/6A29-2-1-1	Porr	✓ not sent to
66748	^m 29/6A31-4-1-1	Porr	not sent to Wash
66750	29/6A34-3-3-1	Fair	not sent to
66751	^{long, gr.} 29/6A35-1-1-1		✓
66752	29/6A37-2-1-1		✓
66753	^m 29/7A3-4-1	Fair	not sent to
66754	^m 29/7A5-2-2	Porr	not sent to Wash
66755	^m 29/8A6-2-1	Porr	not sent to

Wash

acc. Seg grain type

acc Seg grain type

acc Seg grain type

Wash

acc Seg grain type

Wash

Wash

acc. Seg grain type

Wash

6757	2918A9-1-1	Porr	} not sent to	
6758	2919A8-2-1	Porr		
6759	2919A13-3-1-1			✓
6760	2919A16-4-1	Porr	} not sent to Wash	
6761	2919A16-5-1-1	Porr		
6762	2919A18-2-1-1	Porr		
6764	2919A29-3-1	Porr		
6765	283A2-1-2-1-1	Porr		✓
6766	283A2-2-2-1-1	fair		✓
6767	283A2-4-3-1-1	fair		✓
6768	283A2-5-2-1-1	"	not sent to Wash	
6769	283A2-9-4-1-1	"		✓
6771	283A3-2-7-1-1	"		✓
6772	283A3-3-4-1-1	"		✓
6773	283A3-5-4-1-1	"		✓
6774	283A3-5-8-1-1	"		✓

wash

Very good

retains leaves very well

retains leaves very well

retains leaves well

retains leaves well

66775 283A5-1-4-1-1 fair ✓

66776 283A5-1-5-1-1 " ✓

66778 283A5-2-6-1-1 good ✓

66779 283A5-3-4-1-1 " ✓

66780 283A5-3-12-1-1 " ✓

66781 283A5-4-2-1-1 " ✓

66782 283A5-8-2-1-1 " ✓

66783 283A5-9-8-1-1 1/2 " ✓

66785 283A5-10-6-2-1 1/2 " ✓

66786 283A5-11-1-1-1 1/2 " ✓

66787 283A6-1-7-1-1 1/2 " ✓

66788 283A6-2-8-1-1 good ✓

66789 283A6-6-1-1-1 poor ✓

66790 283A10-1-9-1-1 uneven ✓

66792 Col x L W-31148 fairly ✓

66793 Col x L W, 31141 good ✓

m -

Had v. short tip down

- | | | | |
|------|--|-----------------|------------------|
| 6794 | Calxhw, 3184 | Fair | not sent to Wash |
| 6795 | Calxhw, 3175
<i>m</i> | Fairly
good | ✓ |
| 6796 | Sel. 2189 (Austr.) | Variant | ✓ |
| 6797 | Naguyon, 325
<i>interesting, Pencil</i> | | ✓ |
| 6799 | Pinsling Daniel, 326 | " | ✓ |
| 6800 | Pinsling Daniel | " | ✓ |
| 6801 | C.I. 2997
<i>m</i> | Fair
good H. | ✓ |
| 6802 | C.I. 4322 | open
Pencil | ✓ |
| 6803 | 291A21-4-1
<i>Porr - 14 shells</i> | discovered | not sent to |
| 6804 | 292A15
<i>Uneven</i> | | not sent to Wash |
| 6806 | 2912A5-1-1 | Porr. | not sent to Wash |
| 6807 | 2912A7-2-2-1
<i>m</i> | good | ✓ |
| 6808 | 2912A11-1-1 | Porr | ✓ |
| 6809 | 2912A19-2-1-1
<i>m</i> | Fair | ✓ |
| 6810 | 2912A20-4-1-1
<i>m</i> | v. good | ✓ |
| 6811 | 2912A23-1-1-1
<i>m</i> | Fairly
good | ✓ |

cc. seq grain

dash acc. poor appearance

acc. seq grain type

cc, poor appearance, Root Circ. succ. 14.0.

- | | | | |
|------|---------------------|--------------------------------|----------|
| 6813 | 2912A35-1-2-1
m | v. good | ✓ |
| 6814 | 2912A42-2-1-2
m | good | ✓ |
| 6815 | 2913A3-1-1-1
sh. | good | ✓ |
| 6816 | 2913A6-3-2-2
m | good | ✓ |
| 6817 | 2913A30-1-1-1
m | good | not sent |
| 6818 | 2913A31-2-1-3
m | good | ✓ |
| 6820 | 2913A31-2-1-4
m | v. good | ✓ |
| 6821 | 2913A31-3-1-1
m | v. good | ✓ |
| 6822 | 2914A9-1-2-1
m | v. good | not sent |
| 6823 | 2914A11-1-1-1
m | v. good | ✓ |
| 6824 | 2914A14-2-1-1
m | early good | ✓ |
| 6825 | 2914A17-1-1-1
m | v. good | ✓ |
| 6827 | 2914A22-3-2-1
m | good | ✓ |
| 6828 | 2914A27-1-1-1
m | v. good | ✓ |
| 6829 | 2914A36-4-1-1
m | v. good | ✓ |
| 6830 | 2917A9-3-1-1
m | not sent to Wash
reg. good. | |

to Wash

to Wash

6831 2917A27-10-1

long -

Poor

6832 2918A3-2-1-2

m

glut

fair

} not sent to Wash

6834 C.I. 3546

long

unknown

Poor ✓

6835 C.I. 3491

long

Poor ✓

6836 C.I. 7414

long

Poor ✓

6837 C.I. 3699

long -

fair

Poor ✓

6838 C.I. 1297

long

full

Poor ✓

6839 C.I. 4682

med.

open

fair ✓

6841 C.I. 7357

sh.

Pr. Hells,

6842 Col x Lw/91146-1

sh

unknown

not sent to Wash

6843 C.I. 4375 (G.I.)

med

fair

6844 C.I. 4427 (G.I.)

sh

very long Pan.

6845 C.I. 4630 (G.I.)

m

compact Pan.

6846 C.I. 5399 (G.I.)

sh.

Pr. Hells,

6848 C.I. 3882

ried

died

6849 Sel. 352

m.

not sent to Wash

gone

did, old and new

6850 283A10-3-1-1-2 ^{late} good ✓

6851 283A10-3-6-1-1 " ✓

6852 291A16-8-2-1 ^{long.} not sent to Wash

6853 291A19-3-3-1 ^{m.} good ✓
good

6855 295A18-1-1-1 ✓

6856 297A11-2-1-1 ^m good ✓
fair

6857 298A21-1-1-1 ✓

6858 299A10-1-1-1 ^m good ✓
good

6859 2911A40-2-2-1 ^m not sent to Wash
good

6860 2911A41-1-1-1 ^m ✓

6862 2920A3-2-1 ^m fair not sent to Wash

6863 2920A9-9-1-1 ^m ✓
fair

6864 323A3-5-3 ^m ✓

SHAN
TERING

acc. Seq.

+ H. O. - resist. arc.

		D		DATES	
		HEADING		RIPENING	
		1ST FULL		1ST FULL	
6865	C.I. 1587	died			
6866	C.I. 2074	died			
6867	C.I. 2584	died			
6868	C.I. 2585	died			
6869	C.I. 2804	died			
6870	C.I. 3996	died			
6871	C.I. 4011	died			
6872	C.I. 4530	died			
6873	C.I. 4641	died			
6874	C.I. 4957	died			
6875	C.I. 5480	died			
6876	C.I. 5818	died			
6877	C.I. 5581	7-19	7-28 ✓		
6878	C.I. 6304	7-29	8-5 ✓		
6879	C.I. 6346	7-26	8-8 ✓		
6880	C.I. 6355	8-10	8-18 ✓		

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
6881	C.I. 6363	8-11	8-17	✓	
6882	C.I. 6421	8-2	8-12	✓	
6883	C.I. 6426	8-7	8-16	✓	
6884	C.I. 6430	8-14		✓	
6885	C.I. 6434	8-2	8-12	✓	
6886	C.I. 6435	8-14	8-19	✓	
6887	C.I. 6526	7-24	7-31	✓	
6888	C.I. 6568	7-29	8-9	✓	
6889	C.I. 6606	8-7	8-15	✓	
6890	C.I. 6812	8-16		✓	
6891	C.I. 6856	8-7	8-15	✓	
6892	C.I. 6873	8-7	8-15	✓	
6893	C.I. 6880			✓	
6894	C.I. 6944			✓	
6895	C.I. 7358			✓	
6896	<i>Shaw Halls</i> Akage	7-17	7-27	8-6	2-18

HT. (IN.)	LOG. ING %	CHAR- TERING		
resist arc		good	sunless	1882
		good	P.A	833
resist, arc		fair		2281
good, resist arc		fair		9288
		good		2382
Very good, resist arc		good		5382
		Poor		2882
good; resist arc		Poor		9382
		fair		8882
good, resist arc		good		0082
V good, resist arc.		good		0082
arc-n		good		2105
arc-n		good		9882
V. good, arc-n		good		8882
arc-n		good		2032
Do. stiff straw		Compact low	mote 2	7359
arc. n				500
not sent to Wash.				9882

		HEADING		RIPENING	
		1ST FULL		1ST FULL	
6897	Inyo Benkei	7-20	7-28	8-7	8-20
6898	Bozu	not sent to Wash		7-24	
6899	C.I. 6723	8-1	8-10		
6900	2918A5-3-2-1 m	8-17	not sent to Wash		
6901	Col x LW, 31145			7-29	8-8
6902	295A18-4-4	8-4	leg	not sent	
6903	2910A24		leg	not sent	
6904	2911A2-1-1	8-4	8-12	not sent	
6905	2916A1-1-1	8-4	8-12	not sent	
6906	2916A7-2-1 m	8-4	8-12	not sent to Wash	
6907	2916A7-3-2 m	7-30	8-10		
6908	2916A33-2-1 m	7-30	8-10		
6909	2917A1-4-2 m	7-30	8-10		
6910	2918A6-4-2 m	8-13			
6911	2919A12-6-1 m	8-7	8-12		
6912	2912A33-2-1 m	8-11	8-17		

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
6913	2912A38-5-2	8-17			
6914	^m 2913A29-7-1				
6915	^m 2914A8-1-1	8-7	8-15		
6916	^m 2917A27-10-2				
6917	CalxhW, 315	7-21	7-30	8-20	
6918	CalxhW, 3154	7-30	8-20	8-20	
6919	C.I. 4992	8-12	✓		
6920	^m 2917A3-3-1	8-7	8-14		
6921	2919A15	8-1	by		
6922	2920A24	died			
6923	^m 313A4-2	7-30	8-10		
6924	^f 2911A28-4-1	8-17			
6925	^m 2911A28-4-2	8-15			
6926	^f C.I. 3798	8-7	8-18	✓	
6927	C.I. 5403-2	7-28	8-9	✓	
6928	C.I. 5312	8-3	8-9	✓	

not sent to Wash

not sent to Wash

		HEADING		RIPENING	
		1ST FULL		1ST FULL	
6929	Spain Jap.	7-20	7-29 ✓	8-3	8-20
6930	C.I. 6002 <i>long-sl</i>		✓		
6931	C.I. 7185 (1 plant) <i>long-gr</i>		not sent		no
6932	C.I. 4875 <i>long-sl</i>		✓		
6933	C.I. 7702	7-30	8-9 ✓		
6934	C.I. 2457 <i>long-sl</i>		✓		
6935	Carolina Flint, 3/150		not sent	7-30	8-10
6936	Carolina Flint, 3/151		not sent	7-30	8-10
6937	C.I. 4074 <i>long-sl</i>		✓		
6938	C.I. 5892 <i>long-v. slender</i>		✓		
6939	C.I. 3625a	8-7	8-16 ✓		
6940	Asahi Mochi	7-19	7-28 ✓		8-20
6941	C.I. 5309	7-30	8-8 ✓		
6942	Med-gr. Kernels from 283A2-8-3 (Plot-789)	7-29	leg.		
6943	Italian Red	7-18	7-28	8-7	8-17
6944	Southern Red	7-30	8-8 ✓		

	PLANT LODG- HT. (IN.)	ING %	SHAP- TERING				
--	-----------------------------	----------	-----------------	--	--	--	--

rc. v. In Ho.
ink straw
seed

Thin

Poor

—

—

Thin Slender

arc v

Boat shaped or

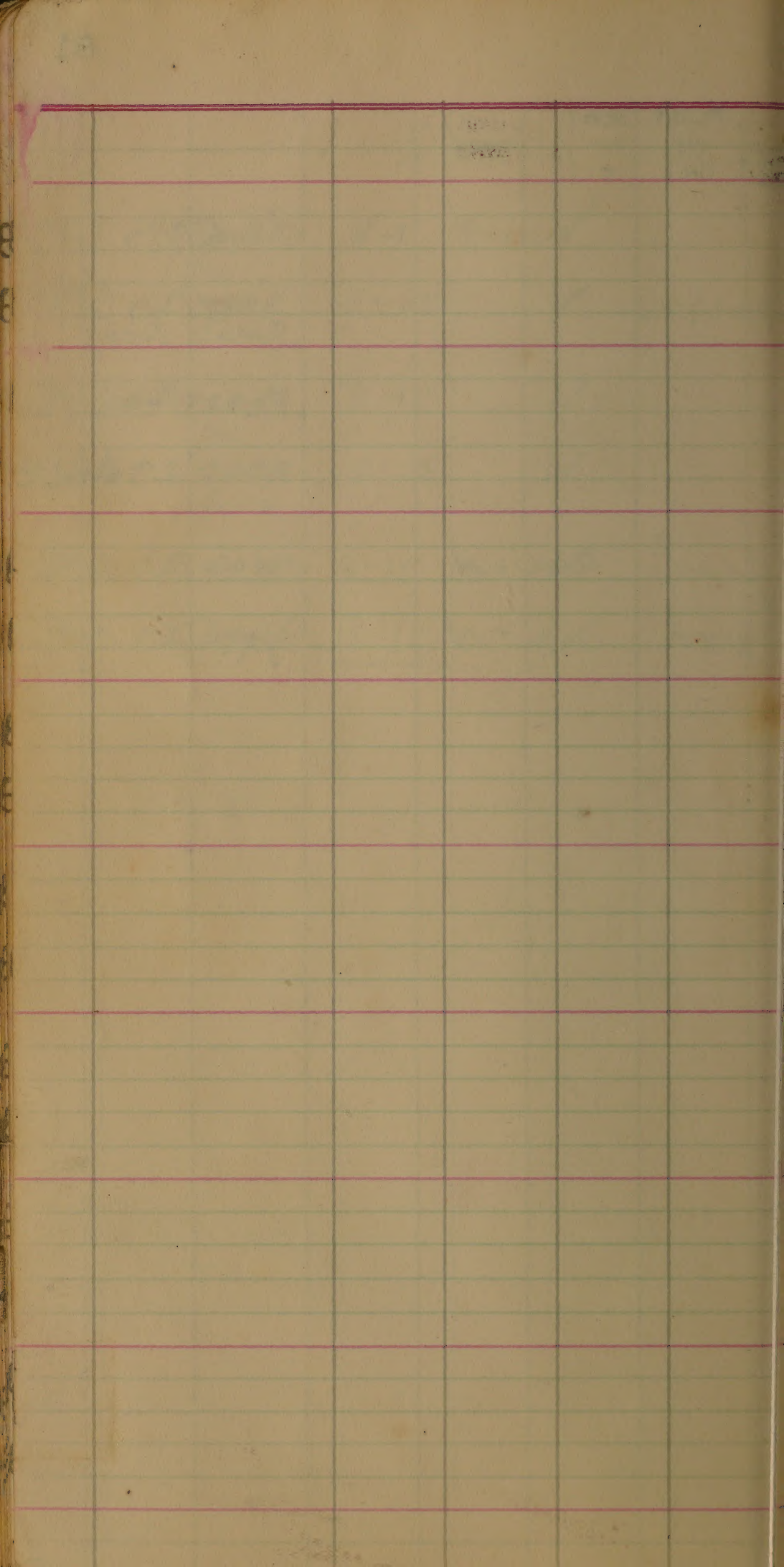
= Gopher Rice

arc - v

Pike. Loamed.

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
6945	Blackhull Red	8-8	8-15	✓	
6946	C.I. 6248	8-4	8-13	✓	
6947	C.I. 4530			✓	
6948	^{mp} C.I. 6993			✓	7-28
6949	C.I. 6744	8-7	8-15	✓	
6950	C.I. 6121-3	8-4	8-12	✓	
6951	C.I. 5398			✓	
6952	C.I. 5173	8-5	8-14	✓	
6953	Imp. Blue Rose			not sent	to
6954	8/C	8-3	8-11	✓	
6955	C.I. 6756	8-14		✓	
6956	C.I. 6757	8-16		✓	
6957	C.I. 6792	8-3	8-10	✓	
6958	C.I. 6793	8-16		✓	good
6959	C.I. 6807	8-4	8-11	✓	
6960	C.I. 6808	7-30	8-15	✓	

		HEADING		RIPENING	
		1ST	FULL	1ST	FULL
6961	C.I. 7051	8-1	8-10	✓	
6962	^m C.I. 7224 ^{long}	8-15		✓	n-circ
6963	C.I. 7225 ^m	8-15		✓	
6964	C.I. 7253 ^{long}	8-13		✓	
6965	C.I. 7338	8-14		✓	
6966	C.I. 6796	8-16		✓	



Series N 2 on west
3 & 4 on east

Field Plot Variety Test (1/50 A. plots)

milling 70	HEADING	1ST FULL	RIPENING	
			1ST FULL	ESTABLISHED
1001 Supreme Blue	8-21	8-29	9-13	9-2
1101 Rose, ck.				
1201				
1301				
1002 Colusa	7-23	8-4	8-10	8-24
1102	7-25	8-3	8-9	8-24
1202	7-21	7-30	8-6	8-21
1302	7-23	7-31	8-7	8-26
65.3 77.8 0				
1003 Edith	7-27	8-6	8-15	8-24
1103	7-26	8-5	8-14	8-24
1203	7-25	8-3	8-13	8-23
1303	7-26	8-3	8-13	8-24
48.2 73.0 0				
1004 Lady Wright	7-27	8-6	8-15	8-24
1104	7-26	8-5	8-14	8-24
1204	7-25	8-3	8-13	8-23
1304	7-26	8-3	8-13	8-24
54.5 76.3 0				
1005 Latex	7-30	8-8	8-17	8-2
1105	7-31	8-8	8-17	8-2
1205	7-28	8-7	8-16	8-2
1305	7-29	8-6	8-16	8-2
52.6 77.5 0.2				
1006 Sup. Blue Rose,				
1106 <u>OK.</u>	8-21	8-29	9-13	9-24
1206				
1306				
70.4 78.1 0				
1007 Early Prolific	7-27	8-7	8-17	
1107	7-26	8-6	8-17	
1207 Yellowbelly Extra Factor	7-24	8-4	8-16	4'
1307	7-25	8-4	8-16	
61.0 75.1 0.3				
1008 Storm Proof	7-30	8-8	8-12	
1108	7-28	8-7	8-12	
1208	7-26	8-5	8-10	
1308	7-28	8-5	8-11	
51.6 72.0 0.5				

white tip very noticeable on all
 RR Race plates on July 3. NWS.

RV- 150	PLANT LODG.		SHAT- TERING	1st 2nd 3rd 4th			
	HT (in.)	ING %		WT			
44	1715	32.0	5.93	++	4.07	7.16	5.98
41		25.8	4.04	++	2.46	4.67	5.18
45		39.2	14.25	++	11.90	15.75	17.7
46		40.2	3.47	++	3.28	4.90	3.5
		137.2	4.56		3.82	6.62	5.70
36	1722	34.5		+			
37		28.8		+			
38		41.0		+	39.4		
38		37.5		+			
		141.85					
32	1951	25.5	16	+			
37		23.8	4	+	32.2		
40		33.0		+			
40		33.8		+			
		116.10					
34	1435	25.5		+			
38		22.8		+	31.9		
40		33.5		+			
40		33.0		+			
		114.8					
37	1372	25.0		tr	30.5		
40		21.0		tr			
41		33.0		tr			
42		30.8		tr			
		109.8					
40	1491	26.8		++			
41		23.0		++	33.1		
45		36.5		++			
45		33.0		++			
		149.3					
36	1542	26.0	1st	+	3.84	4.98	6.31
38		25.2	2.98	++	2.84	4.31	4.71
42		42.2	12.0	++	11.75	13.50	19.25
42		30.0	3.0	+	3.01	3.88	4.86
		123.4	4.17		4.23	4.22	7.46
34	1466	23.0	26.25		25.50	30.89	42.59
33		23.2				30.00	42.15
40		38.2		tr	32.6		
40		32.8					
		117.25					

	DATE PLANT EMERG.	STAND (50%)	HEADING		DATES RIPENING	
			1ST FULL		1ST FULL	
			1ST	FULL	1ST	FULL
1009	Honduras		7-31	8-9	8-12	5 2 4
1109			7-29	8-8	8-12	
1209			7-28	8-5	8-11	
1309			7-30	8-5	8-11	
	41.9	74.3	0.2			
1010	Shoemed		8-7	8-16		9-3
1110			8-6	8-15		
1210			8-4	8-15	8-24	
1310			8-5	8-14		
	55.0	76.7	0.3			
1011	Sup. Blue Rose, Ck.		8-2 9-1	8-29 9-1	9-13	9-24
1111						
1211						
1311						
1012	Delitus		8-7	8-17		9-2
1112			8-6	8-15		
1212			8-4	8-15	8-23	
1312			8-7	8-14		
	54.3	73.9	0.1			
1013	Caloto		8-7	8-16		9-9
1113	followed by extra fat.		8-6	8-15		
1213			8-4	8-14	8-29	
1313			8-5	8-14		
	75.2	80.9	0.0			
1014	Nira		8-18	8-27		9-10
1114			8-18	8-27		
1214			8-16	8-25	8-31	
1314			8-17	8-25		
	30.0	73.6	0.0			
1015	T. Fortuna		8-16	8-25		9-14
1115			8-15	8-24		
1215			8-14	8-23	9-4	
1315			8-15	8-24		
	45.6	76.4	0.0			
1016	Sup. Blue Rose, Ck.		8-2 9-1	8-29 9-1	9-13	9-24
1116						
1216	followed by extra fat.					
1316						

PLANT LODG.		SHAW	NT				
HT.	ING						
(IN)	%						
37	17.5	1000	+	1100	1200	1300	
38	19.2		+				
42	25.5		+				
42	24.0		+	24.0			
	86.2						
39	34.0						
40	37.2						
45	45.2						
44	46.2			45.2			
	162.6						
41	26.0		++				
40	26.2		++				
45	31.00		++				
46	33.2		++				
	116.40			32.3			
38	24.0						
37	29.2						
43	35.0		tr				
43	33.8		tr				
	122.00			33.9			
38	32.0	4.66	++	5.54	6.36	5.90	
38	41.2	3.78	+	5.03	5.82	5.55	
39	46.5	15.75	+	20.0	21.75	19.50	
40	42.0	3.98	+	4.93	5.37	5.61	
	161.75	4.17		5.98	7.36	5.27	
56	27.8						
51	41.5						
54	43.5						
56	46.5						
	159.3						
49	33.0	4.82		5.27	6.43	8.10	
46	35.00	3.85	tr	4.32	4.96	5.04	
50	44.0	15.75	tr	17.50	21.0	22.25	
51	47.50	4.08	tr	4.57	5.11	5.30	
	159.50	4.52		3.27	6.36	6.71	
49	25.8		++				
41	30.2		++				
45	35.8		++				
44	41.0		+				
	132.8			36.9			

		B A		RIPENING	
		HEADING		1ST FULL	
		1ST FULL		1ST FULL	
1017	Acadia	8-17	8-26		
1117		8-16	8-27		
1217		8-18	8-27	9-10	9-19
1317		8-17	8-28		
73.8 79.7 0					
1018	Iola	9-2			
1118		9-1			
1218		9-1	9-11	9-18	9-30
1318		9-1			
49.8 75.1 2.0					
1019	Rexoro				
1119	Extra Fortifolland				
1219		9-6	9-18	9-23	10-5
1319		9-7			
14.3 70.7 0.3					
1020	Sup. Blue Rose,				
1120	<u>CK.</u>	4-27	9-24	9-13	9-25
1220					
1320		46			

1020 followed by extra Fortuna plot

1000 1100 1200 1300

HARVESTED	PLANT LOGG		SHAP	TREND	WT				
	HT. (IN.)	ING %							
38	30.2				+				
39	37.2				+				
42	47.0				+				
41	48.2				+				
	162.6								
	32.8				tr				
	38.0				+				
47	36.5				tr				
	37.8								
	145.1								
	36.5	5.40			7.39	6.83	7.45		
	45.8	4.19			5.05	5.51	5.15		
48	47.2	17.50			21.75	21.50	21.50		
	46.6	4.16			5.18	5.92	5.79		
	176.1	5.21			6.48	7.52	6.71		

42

33.0

++

46

47.75

++

Dates first head

Covered C.J. 6993 Cal Foit 4700

June 1-10

16001

Not
Covered

7-7		8-17	9-6
7-6	8-4	8-15	9-6
7-5	8-4	8-13	9-7
	8-4	8-15	9-5
	8-3	8-12	9-6
	8-1	8-10	9-5
		8-11	9-4
			9-5
18	16	99	9-5
36	5	7	9

16002

June 1-10

6 p.m. - 8 a.m.

6-30	7-8	8-21	7-12
7-1	7-6	8-15	7-12
6-30	7-17	noque	
	(8-5)	8-14	7-8
		8-14	7-8
	7-7	8-13	7-11
		8-13	7-13
			failed to lid
			6/64

16003

June 1-10

8 a.m. - 1 p.m.

7-10	8-8	8-15	9-7
7-13	8-6	8-15	9-7
	8-7	8-22	9-5
	7-30	8-14	9-5
	7	8-16	9-4
			9-4
			9-4
			9-6
			9-6
			9-48

16004

June 1-10

1 p.m. - 6 p.m.

	8-4		9-5
7-11	8-4	8-15	9-8
	8-4	8-14	9-7
	8-3	8-12	9-8
	7-31	8-16	9-6
		8-17	9-6
			9-6
			9-5

Nv. Caloro 4700
 Fortuna 4700
 Pl. Rose

85

Kom	ImpBR	Rex	81C	Nira	Shoe.
8-12	8-27	9-7	7-30	8-16	8-4
8-10	8-25	9-3	7-29	8-14	8-5
8-10	8-19	9-7	7-30	<u>8-14</u>	8-6
8-9	8-21	9-5	8-1	8-15	8-5
8-12	8-22	9-5	roque	8-17	8-6
8-13	8-23	9-6	7-30	8-15	8-5
8-14	8-24		7-27	<u>8-16</u>	8-4
<u>8-10</u>			<u>7-30</u>	<u>93</u>	8-6
90 8	161 7	33 6	208 7	6	<u>8-5</u> 40
7-8	7-20	9-9	7-9	8-17	8-3
7-5	7-20	9-7	7-12	8-19	8-1
7-3	7-6	9-8	7-12	8-16	8-3
7-3	7-5	9-7	7-11	8-16	7-31
7-5	7-6	9-9	7-7	8-18	8-4
<u>7-3</u>	7-15	9-5	7-4	8-20	8-6
	7-8	9-5	7-12	8-15	8-1
	7-6	9-4		8-18	8-5
27 10.5	66 7	54 8	67 7	139 8	8-5 9.28
8-13	8-23	9-3	7-30	8-16	8-7
roque	8-21	9-4	7-30	8-17	8-5
8-14	8-25	9-7	7-30	8-15	8-3
8-15	8-21	9-6	8-1	8-16	8-5
8-14	8-22	9-7	8-1	8-19	8-7
8-15		9-5	7-30		8-7
8-15		9-8	8-2		
<u>8-13</u>		9-7			
99 5	112 5	57 6	217 7	83 5	34 6
8-15	8-21	9-4	8-1	8-19	roque
8-13	8-21	9-5	8-2	8-20	8-5
8-13	8-22	9-4	8-4	8-21	8-8
8-13	8-25	9-4	7-31	8-20	8-3
8-12	8-24	9-5	roque	8-20	8-5
8-17		9-7	7-29	8-20	8-5
8-17		9-4	7-29	8-20	8-5
8-14		9-5			8-8
<u>8-13</u>					
129 9	113 5	38 8	189 1	140 5	37 7

Covered 6993 Cal 700t 4700

16005

June 1-20
6 p.m. - 8 a.m.

6-27	7-4	8-17	6-29
6-26	7-8	8-15	6-29
6-28	7-8	8-18	6-30
	7-4	8-14	6-29
	7-4	8-17	7-4
	7-4	8-16	7-3
		8-13	6-30
			6-29
			7-2

81/3 20/4 110/7 275/9

16006

June 1-20
8 a.m. - 1 p.m.

7-20	8-6	8-15	9-4
7-22	8-8	8-17	9-4
7-22	8-10	8-18	9-4
7-18	8-11	8-17	9-4
	8-5	8-13	9-3
	8-6	8-19	9-3
		8-15	9-4
		8-14	9-5
		8-15	9-4
			9-4

82/4 46/6 143/9 39/10

16007

June 1-20
1 p.m. - 6 p.m.

7-20	8-8	8-18	9-4
7-20	8-8	8-18	9-3
7-21	8-8	8-19	9-3
	8-7	8-14	9-4
	8-7	8-15	4
	8-7	8-16	4
	8-7	8-15	3
		8-18	3
			3
			4

61/3 52/7 133/8 35/10

Kam	ImpBR	Rex	81C	Nira	Shoe
6-29	7-1	9-7	7-1	8-18	7-18
30	2	9-9	6-29	8-15	7-17
29	2	9-7	7-3	8-13	7-13
29	1	9-8	7-5	8-14	7-14
27	3	9-9	7-1	8-15	7-17
29	1	9-7	<u>7-2</u>	8-14	7-18
30	<u>5</u>	9-8		<u>8-17</u>	<u>7-19</u>
<u>30</u>		9-6			
		9-4			
		<u>9-5</u>			

$\frac{231}{68}$ $\frac{13}{7}$ $\frac{70}{10}$ $\frac{11}{16}$ $\frac{106}{7}$ $\frac{116}{7}$

8-15	8-23	9-8	8-3	8-15	8-7 <u>8-1</u>
8-15	8-25	9-5	8-4	8-18	8-10
8-14	8-22	9-8	8-3	8-19	8-9
8-14	8-24	9-7	8-5	8-15	8-6
8-14	8-24	9-4	8-6	8-17	8-9
8-15	8-22	9-4	8-5	8-13	<u>8-14</u>
8-14	8-26	9-5	<u>9-3</u>	8-16	
<u>8-15</u>					

$\frac{116}{8}$ $\frac{166}{7}$ $\frac{41}{7}$ $\frac{29}{7}$ $\frac{113}{7}$ $\frac{62}{7}$

8-14	8-24	9-6	8-7	8-16	8-15
8-15	8-23	3	8-5	8-19	8-19
8-15	8-23	5	8-8	8-17	8-13
8-16	rogue	7	8-7	<u> </u>	8-16
8-13	8-23	5	8-7	8-16	<u>8-20</u>
8-14	8-25	7	8-8	<u>8-19</u>	<u>8-17</u>
<u>8-16</u>	<u>8-26</u>	<u>6</u>	<u>8-8</u>		
		9			

$\frac{103}{7}$ $\frac{144}{6}$ $\frac{48}{8}$ $\frac{50}{7}$ $\frac{87}{5}$ $\frac{100}{6}$

June 1-30

16008

6pm - 8 am

6993 Cal Fort 47

6-29	7-2	8-16	6-29
7-5	7-5	8-11	29
<u>7-2</u>	7-1	8-13	28
	1	8-3	28
	1	8-7	29
	<u>3</u>	8-13	29
		8-18	6-27
		<u>8-15</u>	<u>6-27</u>

~~6~~
3 ~~11~~
6 ~~96~~
8 ~~226~~
8

16009

8am - 1pm

7-26	8-10	8-18	9-7
7-24	8-10	8-16	5
<u>7-27</u>	8-7	8-17	6
	8-10	8-18	5
	8-8	8-16	5
	8-8	8-16	6
	<u>8-9</u>	8-16	5
		8-15	5
		8-13	4
		<u>8-18</u>	

~~72~~
3 ~~62~~
7 ~~163~~
10 ~~48~~
9

16010

1pm - 6pm

7-25	8-11	8-16	9-5
7-23	8-9	8-16	9-6
<u>7-25</u>	8-8	8-17	9-5
	8-8	8-15	9-7
	8-8	8-15	9-4
	8-8	8-15	5
		8-15	5
		8-15	5
		8-17	5

~~73~~
3 ~~52~~
6 ~~126~~
8 ~~47~~
9

Kam	EmpDR	Rex	81C	Nira	Shoe.
6-30	7-4	9-6	7-2	7-30	7-15
6-29	7-3	9-2	7-6	8-17	7-15
7-3	7-4	9-4	6-30	8-5	7-12
7-1	7-3	9-7	7-2	8-16	7-13
29	7-7	9-8	7-1	8-5	7-17
29	7-5	9-7	7-1	8-6	7-12
<u>30</u>				8-11	7-12
				<u>8-1</u>	<u>7-12</u>

$\frac{211}{7}$	$\frac{26}{6}$	$\frac{34}{6}$	$\frac{12}{6}$	$\frac{60}{8}$	$\frac{108}{8}$
-----------------	----------------	----------------	----------------	----------------	-----------------

8-15	8-25	9-4	8-12	8-17	8-15
8-15	8-25	5	8-11	8-17	8-15
8-15	8-23	5	8-7	8-19	8-14
8-15	8-22	4	8-10	8-15	8-15
8-16	8-21	6	8-9	8-18	8-13
8-16	8-25		8-10	8-16	8-14
8-15	8-25		8-10	8-19	8-15
8-18	8-24			<u>8-18</u>	8-15
	8-26				<u>8-15</u>
	8-24				

$\frac{125}{8}$	$\frac{240}{10}$	$\frac{24}{5}$	$\frac{69}{7}$	$\frac{139}{8}$	$\frac{131}{9}$
-----------------	------------------	----------------	----------------	-----------------	-----------------

8-16	8-24	9-4	8-10	8-17	8-17
8-16	8-21	4	8-9	8-13	8-13
8-15	8-24	5	8-10	8-15	8-9
8-15	8-22	4	8-9	8-14	8-13
8-15	8-22	5	8-8	8-15	8-9
8-16	8-22	4	8-8	8-16	8-9
8-16	8-22		<u>8-6</u>	8-15	8-7
8-14	8-23			<u>8-18</u>	<u>8-7</u>
8-15	8-22				
8-15	8-22				
$\frac{153}{10}$	$\frac{200}{9}$	$\frac{26}{6}$	$\frac{60}{7}$	$\frac{123}{8}$	$\frac{84}{8}$

June 11-20

16011

6pm-8am

6993

Cal

Fort

4700

7-3

7-12

8-13

7-19

7-3

7-11

8-17

7-17

7-4

7-13

8-18

7-19

7-18

8-19

7-17

7-12

8-12

7-16

7-12

8-14

7-15

7-12

8-16

7-15

7-12

7-15

10
3

10
8

109
9

181
8

16012

8am-1pm

7-11

8-5

8-15

9-5

7-17

8-5

8-15

9-5

7-20

8-7

8-11

4

8-6

8-16

4

8-5

8-14

4

8-3

8-15

5

8-5

8-13

5

8-15

6

8-13

4

48
3

36
7

112
8

42
9

16013

1pm-6pm

7-13

8-7

8-17

9-4

7-17

8-5

8-15

5

7-14

noque

8-9

3

8-5

8-12

5

8-5

8-13

7

8-6

8-13

5

8-6

8-13

6

8-12

4

44
3

34
6

104
8

39
8

Kam	I.BR	Rex	81C	Nira	Shoe
7-11	7-14	9-6	7-12	8-13	8-11
7-10	7-17	7	7-12	8-17	7-28
7-10	7-13	4	7-13	8-14	7-22
7-13	7-16	5	7-13	8-13	7-20
7-12	7-16	4	7-12	8-17	8-1
7-10	7-11	3	7-9	<u>8-14</u>	7-25
7-10	7-11	4	<u>7-11</u>		7-20
7-9	7-12	4			<u>7-23</u>
7-9	7-12	4			
<u>7-10</u>					

$\frac{104}{10}$ $\frac{122}{9}$ $\frac{41}{9}$ $\frac{82}{7}$ $\frac{88}{6}$ $\frac{212}{8}$

8-14	8-22	9-4	7-31	8-17	8-7
8-15	8-22	4	8-4	8-16	8-7
8-12	8-23	4	8-1	8-16	8-6
8-12	8-22	8	7-29	8-13	8-7
8-11	8-22	5	8-4	8-14	8-6
8-12	8-22	4	<u>7-29</u>	<u>8-13</u>	8-6
8-14	8-23	4			8-5
		<u>4</u>			<u>8-5</u>

$\frac{90}{7}$ $\frac{156}{7}$ $\frac{37}{8}$ $\frac{191}{6}$ $\frac{89}{6}$ $\frac{53}{9}$

8-11	8-22	9-6	7-28	8-13	8-12
8-12	8-22	4	7-29	8-14	8-7
8-12	8-23	8	royce	8-13	8-5
8-12	8-21	3	7-30	<u>8-13</u>	8-8
8-12	8-22	4	7-30	8-14	8-5
8-12	8-22	4	7-30	8-13	<u>8-6</u>
8-13	8-22	4	7-30	8-15	
8-14	8-22	<u>4</u>	7-30		

$\frac{98}{8}$ $\frac{196}{8}$ $\frac{37}{8}$ $\frac{237}{8}$ $\frac{82}{6}$ $\frac{43}{6}$

June 11-30

16014

6pm - 8am

6993

Col

Fert

4700

7-4

7-10

8-9

7-8

7-3

7-11

8-1

7-7

7-4

7-10

8-7

7-8

7-9

roque

7-8

7-10

roque

7-10

7-10

8-6

7-8

9-12

7-8

8-7

7-7

8-11

7-6

11
3

60
6

53
7

70
9

16015

8am - 1pm

7-8

8-8

8-14

9-5

7-7

8-8

8-14

6

7-18

8-7

8-14

7

8-8

8-14

5

8-7

8-15

3

8-7

8-15

4

8-17

7

8-17

4

4

33
3

45
6

106
7

45
9

~~Apr 11-30~~

16016

1pm - 6pm

7-11

8-8

8-16

9-3

7-9

8-8

8-13

5

7-11

8-8

8-12

6

8-8

8-12

4

8-9

8-16

3

8-8

8-15

4

8-7

8-12

4

8-8

8-14

4

8-8

31
3

80
10

110
7

33
9

Kam	I. BR	Rex	81C	Nira	Shoe
7-8	7-8	8-12	7-6	roque	7-16
7-7	7-8	8-9	7-6	7-30	7-15
7-8	7-8	8-10	7-7	8-5	7-15
7-8	7-9	8-9	7-6	8-7	7-15
7-6	7-8	8-8	7-7	8-2	7-15
7-6	7-9	7-30	7-6		7-15
7-6	7-8		7-8		7-15
<u>7-7</u>	7-9		7-8		<u>7-15</u>
	7-10		7-8		
	7-9		<u>7-8</u>		
	<u>7-10</u>				

56
8

88
10

42
6

70
10

13
4

121
18

8-12	8-23	9-3	7-30	8-16	8-14
8-12	8-22	3	8-2		8-9
roque	8-23	4	8-1	8-16	8-13
8-10	8-22	5	8-1	8-15	8-10
8-10	8-23	4	8-1	8-19	8-9
8-12	8-22	4	8-5	8-16	8-9
8-12	8-22	5	8-5	8-19	8-12
<u>8-13</u>	8-22		<u>8-7</u>		
	8-22				
	8-22				
	8-25				

81
7

248
11

28
7

21
8

101
6

76
7

8-15	8-23	9-3	8-3	8-14	8-6
8-15	8-22	3	8-3	8-13	8-7
8-12	8-23	4	7-31	8-15	8-10
8-12	8-24	4	8-5	8-16	8-10
8-12	8-22	4	8-7	8-15	8-8
8-11	8-22	7	8-3	8-16	8-6
8-12	8-23	4	<u>7-31</u>	8-16	<u>8-10</u>
8-12	<u>8-23</u>	<u>5</u>		<u>8-16</u>	
<u>8-12</u>					

113
9

182
8

34
8

21
7

121
8

57
9

June 11 - July 10

16017

6pm - 8am

6993	Cal	Fort	4700
7-5	7-9	8-1 ^{proque}	7-8
7-6	7-8	8-3	7-8
<u>7-3</u>	7-9	7-30	7-9
	7-4	8-6	7-7
	7-8	8-8	7-7
	<u>7-8</u>	8-6	7-8
		<u>8-6</u>	7-8
			7-9
			<u>7-8</u>

16018

8am - 1pm

14 3.7	51 16.4	29 7	72 9
7-21	8-13	8-18	9-6
	8-12	8-15	8
<u>7-22</u>	8-10	8-16	7
	8-11	8-21	4
	8-12	8-17	7
	8-11	8-19	5
	8-12	8-15	6
	8-11	8-16	6
	<u>8-11</u>	<u>8-18</u>	<u>6</u>

16019

1pm - 6pm

43 2	103 9	155 9	51 9
7-7	8-12	8-13	9-4
7-7	8-13	8-16	5
	8-13	8-15	5
	8-12	8-15	3
	8-13	8-14	6
	8-12	<u>8-18</u>	7
	8-11	8-15	5
	<u>8-13</u>	8-17	<u>4</u>
		<u>8-17</u>	

142 9	99 8	122 8	39 8
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Karn	I.B.R	Rex	81C	Nira	Shoe
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7-6	7-8	8-1	7-9	7-31	7-17
7-7	7-8	7-28	7-8	7-29	7-13
7-5	7-8	7-29	7-7	7-30	7-13
7-6	7-9	7-27	7-7	8-1	7-14
7-7	7-7	7-27	7-9	7-30	7-14
7-5	7-7	8-1	7-9	8-1	7-13
7-6	7-9	8-1	7-9	8-1	
	7-9		7-8	8-5	
	7-9			7-30	

<u>42</u> 7	<u>74</u> 9	<u>207</u> 7	<u>66</u> 8	<u>282</u> 9	<u>84</u> 6
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8-15	8-23	9-7	8-7	rogue	8-17
8-15	8-22	9-6	8-7	8-16	8-15
8-12	8-23	9-4	8-5	8-22	
8-12	8-22	9-7	rogue	8-16	8-14
8-12	8-21	9-6	8-3	8-22	8-17
8-15	8-22	9-8	8-11	8-17	8-16
8-12	8-22	9-9	8-11	8-21	rogue
8-13	8-22	9-8		8-21	
8-15	8-23	9-10			
8-15	8-23				
	8-27				

<u>136</u> 10	<u>250</u> 11	<u>65</u> 9	<u>44</u> 6	<u>135</u> 7	<u>79</u> 5
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8-16	8-25	9-4	8-7	8-18	8-10
8-15	rogue	9-5	8-7	8-15	8-7
8-15	8-25	4	8-5	rogue	8-6
8-16	8-24	7	8-3	8-16	8-7
8-15	8-22	5	8-5	8-13	8-5
8-16	8-25	9	8-2		8-5
8-15	8-22	4	8-1		
8-15	8-22	8	8-7		
8-15	8-24	5			
	8-26				

<u>138</u> 9	<u>215</u> 9	<u>51</u> 9	<u>37</u> 8	<u>62</u> 4	<u>40</u> 5
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	6993	Col	Fort	4700
N 16020 Not Covered	7-8	8-5	8-14	9-4
	7-3	8-6	8-16	5
	7-6	8-6	8-18	5
		8-6	8-14	6
		8-7	8-15	5
		8-5	8-18	5
		8-5	8-17	6
		8-5	8-14	7
	17	45	8-12	7
	8	8	9-138	6

<u>June 21-30</u> 16021 6pm-8am	7-3	7-18	8-7	7-27
	7-8	7-18	8-9	7-29
	<u>7-7</u>	7-17	8-9	7-29
		7-19	8-10	7-30
		roque	8-9	7-29
		roque	8-7	7-28
	18	7-17	8-7	7-28
		<u>89</u>	8-9	7-25
	36	5	8-10	7-26
			9-77	7-23

16022 8am-1pm	7-6	8-7	8-14	9-6
	<u>7-9</u>	8-8	8-13	6
		8-8	8-14	4
	15	8-7	8-15	5
		8-8	8-13	5
		<u>8-8</u>	8-15	6
			8-13	5
		46	8-19	4
			<u>8-17</u>	7
	2	6	9-133	4

16023 1pm-6pm	7-4	8-9	8-20	9-4
	7-4	8-10	8-15	6
	<u>7-7</u>	8-9	8-16	6
	15	roque	8-15	3
		8-9	8-13	4
		8-7	8-16	4
		8-7	roque	3
		<u>8-9</u>	8-16	6
			<u>8-15</u>	5
		60	126	5

Kam	I.BR	Rex	81C	Nira	Shoe
8-12	8-21	9-7	7-28	8-18	8-6
8-11	8-20	6	7-29	8-15	8-6
8-13	8-20	9	7-28	8-17	8-3
8-12	8-19	7	7-25	8-16	8-5
8-11	8-20	5	roque	8-14	8-6
8-10	8-19	4	7-26	8-16	8-5
8-8	8-22	4	7-27	8-12	8-2
8-10	8-22			8-13	8-6
8-12	8-20	42	163	8-18	8-3
8-10	8-20	7	6	(9)	(9)
7-18	7-22	8-18	7-18	8-5	7-25
7-18	7-22	8-18	7-17	8-10	7-23
7-18	7-22	8-15	7-18	8-7	7-27
7-17	7-22	8-18	7-17	8-8	7-25
7-18	7-22	8-20	7-17	8-6	7-24
7-16	7-20	8-11	7-18	8-8	7-23
7-18	7-21	8-21	7-17	8-9	7-24
7-17	7-22	8-22	7-18	8-7	7-24
7-16	7-20	7-17			
7-18	7-20	(9)	8140	860	8195
8-12	8-19	9-6	7-30	8-13	8-10
8-10	8-22	5	7-28	8-13	8-6
8-14	8-19	3	8-1	8-13	8-15
8-10	8-20	6	8-4	8-15	8-7
8-12	8-19	6	8-3	8-15	8-12
8-12	8-21	3	7-29	8-11	8-9
8-11	8-22			8-16	8-6
8-12	8-19	(29)	(188)	8-17	8-10
(93)	8-23			8-15	8-15
	8-23	6	6	9125	9190
8-12	8-19	9-3	8-1	8-14	8-5
8-12	8-22	6	7-30	8-16	8-3
8-11	8-22	4	7-28	8-19	8-3
8-12	8-21	4	8-1	8-16	8-3
8-12	8-20	4	7-29	8-12	8-6
8-12	8-20	4	7-27	8-16	8-6
8-12	8-20	4	7-28	8-12	8-1
8-12	8-21	3		8-17	8-8
8-12	8-22	3	(206)	8-14	
(107)	8-20				
	8-20	(35)		136	35

June 21-July 10

16024

6pm - 8am

6993	Cal	Fort	4700
7-7	7-17	8-4	7-19
<u>7-6</u>	7-18	8-1	7-20
	7-16	8-3	7-19
13	7-17	7-30	7-19
	7-19	8-2	7-19
	7-17	8-2	7-19
	7-16	8-2	7-17
	<u>7-16</u>	<u>8-2</u>	7-17
			7-18

136

15

166

72.5 8 8 9

16025

8am - 1pm

7-3	8-11	8-16	9-7
7-8	noque	8-18	9
<u>7-10</u>	8-11	8-20	8
	8-12	8-16	7
	8-12	8-16	8
21	8-11	8-18	7
	<u>8-12</u>	<u>8-21</u>	9
			5
			9

69

125

69

3 6 7 9

16026

1pm - 6pm

7-5	8-13	8-16	9-6
7-7	8-13	8-15	6
<u>7-17</u>	8-14	8-13	6
	8-12	8-15	6
29	8-13	8-12	3
	<u>8-12</u>	8-12	7
		8-13	7
		<u>8-15</u>	5
	77		7
		111	6
			59
3	6	8	10

Kam	I.B.R.	Rex	8/C	Nira	Shoe
7-15	7-20	8-4	7-17	7-29	7-23
7-15	7-17	8-1	7-16	8-1	7-20
7-15	7-17	8-1	7-15	8-6	7-18
7-15	7-18	8-1	7-15	7-27	7-22
7-15	7-17	8-3	7-17	8-1	7-20
7-15	7-19	8-3	7-15	8-2	7-20
7-15	7-19	8-5	7-16	7-29	7-20
<u>7-15</u>	7-17	8-8		7-30	<u>7-20</u>
	7-17	8-5		8-3	
	7-17	8-3		<u>8-2</u>	
		<u>8-3</u>			

120

178

35

111

316

163

28.1

10

11

22.1

10

8

8-14	8-22	9-5	8-1	8-22	9-16
8-14	8-22	9	8-5	8-16	8-15
8-13	8-22	10	7-31	8-20	8-14
8-12	8-23	7	8-2	8-18	8-15
8-14	8-22	7	8-3	8-17	8-13
8-12	8-22	8	<u>8-2</u>	8-16	8-15
8-15	8-23	6		8-18	8-14
<u>8-15</u>		<u>9</u>		8-18	8-14
				<u>8-20</u>	8-12
					<u>8-13</u>

109

156

61

13

163

141

8

7

8

6

9

10

8-16	8-23	9-7	8-6	8-20	8-6
8-16	8-22	5	8-1	8-11	8-6
8-11	8-22	6	8-5	8-13	8-3
8-16	8-23	5	8-1	8-14	8-1
8-15	8-23	5	7-30	roque	8-3
8-15	8-24	6	7-28	8-11	7-31
<u>8-16</u>	8-23	<u>7</u>	<u>roque</u>		8-2
	8-25				8-5

94

185

37

9

69

8-1

8-2

29

July 1-10 6993 Cal Fort 478

16027
6pm-8am

7-6	7-31	8-14	8-13
<u>7-4</u>	7-30	8-7	8-10
10	7-29	8-7	8-10
	7-29	8-9	8-9
	7-30	8-9	8-11
	7-30	8-7	8-8
	7-29	8-8	8-7
	7-28		8-8
	<u>7-26</u>		<u>8-8</u>

262 61 75

16028

8am-1pm

7-7	8-9	8-13	9-7
<u>7-8</u>	8-8	8-16	6
	8-8	8-15	3
	8-8	8-14	4
	8-7	8-16	3
	8-7	8-18	4
	8-7	8-15	37
		<u>8-15</u>	7
			6
			<u>6</u>

16029

1pm-6pm

7-8	8-12	8-17	9-6
	8-10	8-13	6
	8-10	8-17	6
	8-10	8-13	3
	8-3	8-13	3
	8-10	8-14	3
	8-14	8-11	6
	8-9	8-12	6
	8-8	8-19	6
			<u>6</u>

Kam	L. BR	Rex	81C	Nira	Shoe
7-30	8-3	8-20	7-26	8-8	7-31
7-30	8-3	8-15	7-31	8-7	7-29
7-31	8-2	8-15	7-25	8-7	7-29
7-30	8-5	8-23	7-25	8-13	7-31
7-30	8-3	8-16	7-22	8-10	7-30
7-30	8-2	<u>8-10</u>	<u>roque</u>	<u>8-9</u>	7-29
7-30	8-3		<u>7-25</u>		7-30
7-30	<u>8-3</u>				<u>7-30</u>
<u>7-30</u>		99	154	54	
271	24				239
9	8	6	6	6	8
8-12	8-22	9-5	7-26	8-21	8-9
8-12	8-19	5	7-29	8-16	8-3
8-11	8-20	4	7-30	8-19	8-3
8-13	8-19	3	7-28	8-16	8-3
8-12	8-18	3	7-29	8-19	8-7
8-11	8-19	9	7-30	8-15	8-7
8-12	8-19	3	7-26	8-16	8-5
<u>8-12</u>	8-18		7-26	8-19	8-6
	8-17		7-28		8-8
	8-22		7-28		<u>roque</u>
	<u>8-22</u>				
95	215	32	280	141	51
8	11	7	10	8	9
8-14	8-22	9-3	7-29	8-13	8-5
8-15	8-23	3	7-27	8-13	8-6
8-15	8-21	4	7-27	8-11	8-5
8-13	8-22	4	7-30	8-15	8-5
8-15	8-21	4	7-29	8-13	8-3
8-15	8-23		8-2	8-15	8-6
8-15	<u>8-23</u>		<u>7-31</u>	8-14	8-5
8-15				<u>8-12</u>	<u>8-7</u>
8-15					
147	155	18	206	106	42
10	7	5	7	8	8

Series #2

June 1-10 6995 Col Fort 4700

16030

6pm - 8am

6-30	roque	8-15	7-13
6-28	roque	8-15	7-15
<u>6-30</u>	<u>roque</u>	8-15	7-16
	7-10	8-16	7-10
	7-6	8-12	7-13
	7-4	8-17	7-8
	7-4	8-16	7-8
	7-6	8-17	7-8
	<u>7-8</u>	8-18	7-8
		8-14	7-9
		8-13	

88 / 38 168 111
51.3 6 11 10

16031

8am - 1pm

7-12	8-7	8-15	9-4
<u>7-16</u>	roque	8-13	7
	8-5	8-18	6
	8-5	8-16	3
	8-5	8-16	4
	8-7	8-14	3
	<u>8-5</u>	8-12	6
		8-13	6
		<u>8-14</u>	5
			7
			4

28 / 34 131 55
2 6 9 11

16032

1pm - 6pm

7-11	8-8	8-15	9-3
<u>7-13</u>	8-1	8-16	6
	8-5	8-15	5
	8-5	8-19	4
	8-5	8-17	4
	<u>8-3</u>	8-14	7
		8-16	7
		8-12	4
		<u>8-13</u>	3

24 / 27 121 43
2 6 8 9

Kam	I.BR	Rex	81C	Nira	Shoe
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7-3	7-10	9-6	7-12	8-16	8-9
7-4	7-8	9-8	7-11	8-16	8-1
7-1	7-10	9-7	7-11	8-16	8-6
7-1	7-21	9-7	7-13	8-18	8-5
7-1	7-20	9-6	7-4	8-13	8-1
7-1	7-20	9-6	7-8	8-15	8-1
7-1	7-8	9-5	7-4	8-16	8-10
7-1	7-13			8-15	8-1
7-2				8-18	
7-1					

<u>15</u>	<u>110</u>	<u>45</u>	<u>63</u>	<u>143</u>	<u>33</u>
97	8	3	7	9	7

8-12	8-21	9-4	8-1	8-21	8-7
8-10	8-21	5	7-31	8-17	8-7
8-12	8-21	3	8-1	8-16	8-6
8-13	8-21	4	8-2	8-15	8-6
8-16	8-22	3	8-1	8-14	8-6
8-12	8-21	3	8-1	8-14	8-6
8-10	8-22	7	8-3	8-14	8-10
8-12	8-23	8		8-15	8-10
	8-23	7		8-16	8-7
				8-15	8-5

<u>97</u>	<u>195</u>	<u>44</u>	<u>9</u>	<u>157</u>	<u>65</u>
8	9	9	7	10	9

8-13	8-22	9-3	7-30	8-15	8-5
8-12	8-21	3	8-3	8-16	8-6
8-12	8-22	4	8-1	8-16	8-6
8-12	8-21	5	7-28	8-14	8-6
8-12	8-22	4	7-29	8-16	8-5
8-14	8-22	3	7-28	8-20	8-5
8-12	8-20		7-27	8-20	8-2
8-12	8-21			8-16	8-4
8-12	8-20			8-18	8-9
8-12				8-17	

<u>111</u>	<u>193</u>	<u>22</u>	<u>208</u>	<u>168</u>	<u>48</u>
9	9	6	7	10	9

June 1-20

6993

Cal

Fort

4700

16033

6pm-8am

6-30

7-4

8-13

7-3

6-30

7-1

8-13

7-1

7-7

8-13

6-29

7-1

8-20

roque

8-18

7-4

8-14

6-29

8-14

6-29

8-16

6-29

8-16

8-15

60
2

13
4

152
10

214
7

7-19

8-8

8-16

9-6

7-19

8-3

~~8-16~~

6

8-7

8-18

5

8-7

8-14

4

8-7

8-18

2

8-7

8-16

3

8-17

6

8-16

6

8-15

6

8-12

8-17

8-15

38
2

39
6

174
11

44
9

7-17

8-6

8-17

9-6

7-20

8-4

8-14

7

8-6

8-17

6

roque

8-18

6

8-4

8-16

7

8-7

8-16

7

8-7

8-18

4

roque

8-16

5

16035

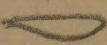
1pm-6pm

39
2

34
6

132
8

52
9

Kam	I.BK	Rex	81C	Nira	Shoe
6-29	7-1	9-5	7-2	8-15	7-20
29	1	9-7	7-1	8-21	7-22
7-1	1	9-8	7-3	8-19	roque
29	7-5	9-10	7-2	8-13	7-17
6-28	6-30	9-7	6-29	8-15	7-17
29	7-4	9-3	6-29	8-13	7-17
29	5-30	9-3	6-30		7-17
	<u>6-30</u>			8-12	
	7-1			8-18	
	<u>7-1</u>			<u>8-13</u>	

<u>204</u>	<u>12</u>	<u>43</u>	<u>216</u>	<u>139</u>	<u>110</u>
7	10	7	7	9	6
8-13	8-24	9-5	8-4	8-17	8-9
8-13	8-22	6	roque	8-18	8-10
8-12	8-22	4	8-6	8-14	8-7
8-12	8-22	6	8-4	8-17	8-9
8-14	8-22	6	8-1	8-19	8-6
<u>8-13</u>	8-22	3	8-2	8-18	8-9
	8-22		<u>8-2</u>	8-16	roque
	8-22			<u>8-16</u>	8-7
	8-22				8-6
	8-21				8-7
	8-21				
	<u>8-24</u>				

<u>77</u>	<u>266</u>	<u>28</u>	<u>19</u>	<u>135</u>	<u>70</u>
6	12	6	6	8	9
8-15	8-23	9-4	8-4	8-14	8-3
8-12	8-21	5	8-4	8-16	8-3
8-12	8-25	3	8-4	8-15	8-6
8-12	8-20	3	8-4	8-15	8-7
8-12	8-21	7	8-4	8-16	8-7
<u>8-12</u>	8-21	5	8-1	8-16	8-3
	8-21	<u>6</u>	8-3	8-12	8-5
	8-20		roque	8-12	8-7
	8-23			8-14	8-11

<u>75</u>	<u>195</u>	<u>33</u>	<u>24</u>	<u>130</u>	<u>52</u>
6	9	7	7	9	9

June 1-30

16036

6pm-8am

6993	Cal	Fort	4700
6-29	7-1	8-17	7-1
<u>6-30</u>	7-2	8-17	6-28
	7-5	8-15	28
	7-1	8-15	28
	6-30	8-16	28
	<u>6-30</u>	8-12	28
		8-9	29
		8-16	27
		8-16	28
<u>59</u>	<u>9</u>	<u>133</u>	<u>283</u>
2	6	9	(10) 29

16037

8am-1pm

7-28	8-10	8-14	9-6
7-25	8-7	8-21	7
<u>7-24</u>	8-11	8-16	7
	8-8	8-21	7
	<u>8-9</u>	8-17	6
		8-18	6
		8-15	6
		8-16	5
<u>77</u>	<u>45</u>	<u>143</u>	<u>57</u>
5	5	8	9

16038

1pm-6pm

7-24	8-9	8-14	9-4
7-26	8-10	8-20	7
<u>7-27</u>	8-9	8-17	7
	8-8	8-16	7
	8-10	8-16	7
	<u>8-8</u>	8-16	3
			6
			7
<u>77</u>	<u>54</u>	<u>99</u>	<u>59</u>
3	6	6	40

16039

Not

Covered

7-8	8-3	8-15	9-3
7-9	8-7	8-19	3
<u>7-7</u>	8-1	8-15	4
	8-1	8-16	4
	8-6	8-20	3
	<u>8-6</u>	8-15	7
		8-18	7
			7
			5
			4
			3
<u>24</u>	<u>24</u>	<u>118</u>	<u>50</u>
3	6	7	11

Kam.	I.B.R.	Rex	81C	Nira	Shoe
6-30	6-30	8-26	6-30	8-3	7-17
6-29	7-8	8-15	7-2	8-9	7-20
29	7-1	8-20	7-1	8-8	7-13
29	7-1	8-20	7-1	8-2	7-17
6-27	7-1	8-15	6-30	8-14	7-15
6-27	7-1	8-17	7-3	8-14	7-13
	7-4	9-3		roque	7-15
	7-5			8-6	
171	21	127	7	8-7	110
6	8	6	6	63/8	7

8-13	8-23	9-8	8-10	8-17	8-16
8-13	8-25	9-7	8-8	8-16	8-10
8-15	8-25	9-9	8-8	8-18	8-13
8-14	8-21	6	8-9	8-16	8-14
8-12	8-21	6	8-7	8-16	8-13
8-14	8-22	8		8-16	8-14
	8-23			8-17	
	8-25			8-17	
81	8-23	44	42	133	80
6	208/9	6	5	8	6

8-13	8-24	9-4	roque	8-18	8-13
8-14	8-23	7	8-10	8-16	8-12
8-15	8-23	4	roque	8-16	8-6
8-14	8-24	3	8-10	8-17	8-7
8-14	8-23	3	8-9	8-18	8-8
8-14	8-21	4	8-11	8-16	8-6
	8-23	5			8-11
	8-23	4			8-11
84	184	37	40	101	86
6	8	9	4	6	9

8-12	8-24	9-3	8-1	8-16	8-12
8-11	8-20	3	7-27	8-13	8-7
8-11	8-21	5	7-30	8-18	8-6
8-12	8-22	4	7-29	8-15	8-7
8-12	8-22	7	7-27	8-19	8-6
8-12	8-19	5	7-27	8-16	8-10
8-14	8-22	3	7-27	8-14	
8-14	8-21	4	7-27		
	8-20				
98	191	32	226	111	48
8	8	8	8	7	6

June 11-20

6993 Cal Fort 4700

16040

6pm-8am

7-3	7-15	8-15	7-17
7-5	7-11	8-16	7-20
<u>7-6</u>	7-12	8-10	7-17
	7-11	8-20	7-20
	7-11	8-11	7-17
	7-13	8-10	7-15
	7-10	8-17	7-15
	<u>7-11</u>	8-14	7-15
		8-16	7-13
		8-17	7-16

<u>14</u>	<u>94</u>	<u>146</u>	<u>165</u>
36	8	10	10

16041

8am-1pm

7-8	8-5	8-18	9-6
7-15	8-4	8-16	6
<u>7-10</u>	8-3	8-14	5
	8-6	8-18	5
	8-4	8-16	4
	8-3	8-14	5
	<u>8-4</u>	8-16	4
		8-16	6
		8-14	3
			3
			<u>3</u>

<u>33</u>	<u>29</u>	<u>142</u>	<u>50</u>
3	7	9	11

16042

1pm-6pm

7-6	8-6	8-12	9-4
7-7	8-8	8-19	4
<u>7-2</u>	8-4	8-20	6
	8-7	8-22	6
	8-8	8-13	4
	8-8	8-12	5
	8-5	8-12	5
	8-4	8-13	5
	<u>8-4</u>	8-16	8

<u>20</u>	<u>52</u>	<u>139</u>	<u>47</u>
3	9	9	9

Kam	I.BR	Rex	81C	Nira	Shoe
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7-10	7-13	9-3	7-11	8-16	7-20
7-11	7-13	7	7-12	8-16	7-21
7-10	7-13	2	7-10	8-12	7-22
7-8	7-13	3	7-11	8-14	7-22
7-8	7-14	3	7-11	8-13	7-27
7-10	7-14	3	7-14		<u>7-23</u>
<u>7-10</u>	<u>7-14</u>	<u>7</u>	<u>7-10</u>		
	7-15		7-13		
	7-13		7-11		
	7-13				
	<u>7-11</u>				

<u>67</u>	<u>146</u>	<u>28</u>	<u>103</u>	<u>71</u>	<u>135</u>
7	11	7	9	5	6

8-13	roque	9-2	8-2	8-11	8-9
8-14	8-21	7	8-4	8-16	8-7
8-12	8-20	9	8-4	8-16	8-7
8-11	8-21	7	8-4	8-12	8-7
8-12	8-22	3	8-4	8-13	8-8
8-10	8-21	8	8-3	8-15	8-9
8-10	8-22	3	8-4	8-13	8-8
8-12	8-22	6	8-4	8-15	8-11
<u>8-12</u>	<u>8-20</u>			<u>8-15</u>	

<u>106</u>	<u>169</u>	<u>45</u>	<u>29</u>	<u>126</u>	<u>66</u>
9	8	8	8	9	8
8-15	8-22	9-4	8-7	8-16	8-9
8-8	8-20	4	8-3	8-16	8-5
8-13	8-21	5	7-30	8-15	8-5
8-11	8-21	6	7-29	8-16	8-4
8-12	8-22	3	8-7	8-16	8-5
<u>8-14</u>	<u>8-22</u>	<u>7</u>	<u>7-31</u>	<u>8-13</u>	<u>8-4</u>
	8-22	3	<u>7-31</u>	<u>8-16</u>	<u>8-7</u>
	<u>8-23</u>				<u>8-12</u>

<u>73</u>	<u>173</u>	<u>32</u>	<u>14</u>	<u>108</u>	<u>51</u>
6	8	7	7	7	8

June 11-30

16043

6pm-8am

6993	Cal	Foot	4700
7-3	7-11	8-7	7-10
7-1	7-8	8-1	7-10
7-3	7-8	8-11	7-9
<u>6-29</u>	7-10	8-5	7-9
	7-8	8-10	7-9
	7-7	8-7	7-9
	7-7	8-5	7-9
	<u>7-7</u>	<u>8-10</u>	7-9
			<u>7-9</u>

16044

8am-1pm

<u>6</u>	<u>66</u>	<u>56</u>	<u>83</u>
4	8	8	9
7-5	8-8	8-16	9-3
roque	8-8	8-15	7
<u>7-12</u>	roque	8-13	4
	8-7	8-16	3
	8-8	8-18	6
	roque	8-15	4
	<u>8-8</u>	<u>8-15</u>	6
	34	108	5
			6
			<u>44</u>

16045

1pm-6pm

<u>17</u>	<u>5</u>	<u>7</u>	<u>9</u>
2			
7-13	8-11	8-13	9-3
<u>7-9</u>	8-9	8-16	3
	8-10	8-19	6
	8-10	8-20	7
	8-9	8-12	7
	8-7	8-15	5
	8-9	8-16	5
2 2	<u>8-7</u>	<u>8-15</u>	6
	72	126	6
7-11			<u>48</u>
2	8	8	9

Kam	I.B.R.	Rex	81C	Nira	Shoe
7-9	7-10	8-15	7-9	8-1	7-16
7-8	7-10	8-9	7-9	8-5	7-15
7-6	7-8	8-17	7-4	8-6	7-15
7-7	7-8	8-18	7-9	8-8	7-15
7-5	7-8	8-18	7-8	8-5	7-15
7-5	7-8	8-7	<u>7-8</u>	8-12	7-15
7-5	<u>7-8</u>	<u>8-4</u>		<u>8-3</u>	7-15
<u>7-9</u>					7-17
					7-17
					<u>7-15</u>

<u>54</u>	<u>60</u>	<u>88</u>	<u>52</u>	<u>40</u>	<u>155</u>
<u>8</u>	<u>7</u>	<u>7</u>	<u>6</u>	<u>7</u>	<u>10</u>
8-14	8-22	9-5	8-4	8-16	8-15
8-13	8-22	5	8-4	8-13	8-12
8-13	8-22	6	8-7	8-17	8-10
8-12	8-23	6	8-7	8-16	8-12
8-12	8-21	6	8-4	8-15	8-10
8-12	8-22	6	<u>8-4</u>	8-19	8-12
8-12	8-22	<u>4</u>		8-16	8-15
8-13	8-23		30	<u>8-15</u>	8-10
8-13		38			8-9
114	177			127	8-9
					<u>8-12</u>
					126

<u>9</u>	<u>8</u>	<u>7</u>	<u>6</u>	<u>8</u>	<u>11</u>
8-14	8-22	9-3	8-7	8-13	8-3
8-12	8-21	7	8-4	8-16	8-6
8-12	8-20	7	7-30	8-12	8-5
8-12	8-21	2	8-4	8-17	8-10
8-12	8-21	3	8-6	8-18	8-1
8-12	8-21	3	<u>7-30</u>	8-16	8-9
8-12	8-22	3	19	8-12	8-6
8-14	8-23	<u>4</u>		<u>8-9</u>	<u>8-12</u>
100	8-23	32			52
	8-21			113	
	<u>215</u>				
<u>8</u>	<u>10</u>	<u>8</u>	<u>6</u>	<u>8</u>	<u>8</u>

June 11 - July 10

16046

6pm - 8am

6993	Cal	Fort	4700
7-7	7-8	8-2	7-9
7-4	7-12	8-4	7-8
7-5	7-9	8-4	7-8
	7-12	8-7	7-8
	7-9	8-1	7-9
	7-9	8-4	7-8
	7-8	8-2	7-11
	7-8	8-5	
	<u>75</u>	<u>8-10</u>	61
11		40	61

16047

8am - 1pm

2	28	9	27.1
7-12	8-12	8-15	7-6
7-11	8-11	8-17	6
<u>7-12</u>	8-12	8-17	4
35	8-12	8-16	4
	8-14	9-21	5
	8-13	8-21	5
	8-13	8-16	7
	<u>87</u>	<u>123</u>	6
			6
			4
			<u>53</u>

16048

1pm - 6pm

137	7	7	10
7-23	8-13	8-16	9-5
7-8	8-13	8-21	7
<u>7-13</u>	8-14	8-15	4
44	8-15	8-19	7
	8-13	8-16	6
	8-12	8-16	6
	80	<u>8-16</u>	7
	80	98	7
			7
			6
			4
			<u>66</u>

Kam I.B.R. Rex 81C Nira Shoe

7-7	7-8	7-31	7-10	8-6 ³¹	7-17
7-6	7-8	7-29	7-9	7-31	7-15
7-6	7-8	7-30	7-10	7-31	7-17
7-8	7-9	8-1	7-9	7-27	7-13
7-5	7-7	8-10	7-8	7-27	7-13
7-5	7-8	7-27		7-30	7-13
	7-8		46	8-5 ³⁶	7-13
37	7-8	8-18		7-31	
	64	190		8-1 ³²	101
				8-5 ³⁶	

318

6	8	6	5	10	7
8-16	8-21	9-6	8-12	8-16	8-16
8-15	8-21		8-10	8-22	8-17
8-15	8-22	3	8-8	8-20	8-18
8-14	8-21	3	8-8	8-18	noque
8-13	8-21	7	8-11	8-21	8-17
8-14	8-22	7	8-10	8-16	8-15
8-16	8-22	8-16	8-12	8-19	8-16
103	8-22	5	8-11	8-16	8-18
	8-22	9	82	8-21	8-18
	8-22	8			8-18
	8-22			169	
	238	55			153

8	11	9	8	9	9
8-16	8-26	8	8-8	8-16	8-4
8-16	8-24	9-4	8-3	8-16	8-6
8-16	8-22	9-9	8-4	8-18	8-4
8-16	8-22	4	8-3	8-11	8-7
8-15	8-23	7	8-4	8-14	8-8
8-15	8-22	6	8-4	8-12	8-4
8-16	8-23	38	8-1	8-15	8-8
8-19	8-23		8-1	8-18	8-10
129	8-25		28	8-15	8-9
	8-24			135	60
	234				

June 21-30

6993

Cal

Fort

#700

16049

6pm - 8am

7-8	7-21	8-9	7-29
7-9	7-22	8-9	7-30
7-6	7-20	8-12	7-29
23	7-20	8-9	7-30
✓	7-19	8-10	7-28
	7-20	8-12	7-27
	7-20	8-10	7-25
	7-19	8-14	7-26
	161	85	7-28
✓		✓	252
			✓

16050

8am - 1pm

7-10	8-9	8-16	9-4
7-13	8-8	8-17	4
23	8-8	8-16	5
✓	8-8	8-16	6
	8-9	8-16	4
	8-10	8-15	6
	rogue	8-16	5
	8-10	112	7
	62		3
✓		8-16 av.	4
		✓	48
			✓

16051

1pm - 6pm

7-19	8-9	8-16	9-3
7-12	8-10	8-13	3
7-4	8-9 ⁰⁴	8-18	5
7-11	8-8	8-12	4
45	8-8	8-15	3
✓	8-8	8-12	5
	8-7	8-16	3
	8-7	8-11	2
	8-8	8-12	3
	8-8	8-12	3
	8-10	137	34
4	92	10	10

Kam I.B.R. Rex 81C Mira Shae

7-19	7-24	8-23	7-20	8-12	7-25
7-18	7-23	8-23	7-19	8-12	7-23
7-17	7-23	9-2	7-20	8-9	7-23
7-17	7-22	8-20	7-19	8-3	2-23
7-20	7-23	8-17	7-18	8-7	7-23
7-19	7-23	8-23	7-20	8-7	7-25
7-19	7-23	8-24	7-19	8-12	7-26
7-18	7-23	137	135	8-9	7-23
7-18	7-23			8-8	7-25
7-18	7-23	✓	✓	79	7-23
165	7-20				7-23
✓	7-22				262
	272				✓

9

12

6

7

9

11

8-12	8-22	9-3	8-3	8-13	8-10
8-11	8-23	6	8-3	8-13	8-6
8-14	8-22	5	8-4	8-16	8-10
8-11	8-21	4	7-31	8-15	8-10
8-12	8-26	6	8-3	8-12	8-12
8-13	8-21	7	8-1	8-16	8-12
8-12	8-21	3	8-3	8-16	8-6
8-13	8-21		8-7	8-16	8-12
8-12	8-22	34	24	8-15	8-13
8-15	199			132	81
125					

✓

✓

✓

✓

✓

✓

10

9

7

8

9

8

8-15	8-22	9-4	8-3	8-16	8-10
8-15	8-21	6	8-3	8-16	8-10
8-13	8-20	3	8-3	8-16	8-9
8-12	8-21	3	8-1	8-14	8-7
8-13	8-25	2	7-30	8-11	8-10 34
8-13	8-22	3	8-2	8-12	8-1
8-12	8-21	3	8-5	8-13	8-5
8-11	8-23	3	7-28	98	8-1
104	175	8	13		8-1
✓	✓	4			8-7
		39			61
8	8	10	8	8	10

June 21 - July 10 6993 Cal Fort Flood

16052

6pm - 8am

7-8	7-16	8-2	7-19
7-8	7-21	7-30	7-19
7-7	7-15	8-3	7-18
23	7-17	8-1	7-17
✓	7-17	8-2	7-19
	7-20	7	7-17
	7-20		7-18
	126		7-17
	✓	✓	7-19
			163
			✓

16053

8am - 1pm

7-10	8-12	8-20	9-6
7-11	8-12	8-21	4
	8-11	8-16	3
	8-12	8-16	5
	8-12	8-20	5
	8-12	8-16	3
	8-12	8-17	4
			4
			7
			3

16054

1pm - 6pm

21	83	126	44
2	7	7	10
7-6	8-13	8-16	9-7
7-19	8-14	8-13	6
	8-12	8-20	6
	8-12	8-16	7
	8-12	8-12	5
		8-13	6
			7
25	63	90	44
2	5	6	7

Kam	I. BR	Rex	81C	Nira	Shoe
7-15	7-17	8-2	7-18	8-2	7-22
7-17	7-17	8-3	7-16	8-5	7-22
7-15	7-20	8-3	7-17	8-4	7-22
7-17	7-20	7-29	7-18	7-30	7-20
7-16	7-17	8-5	7-16	7-31	7-28
80	7-19	8-2	7-16	7-28	7-20
	7-20	8-1	101	8-1	7-20
	130	8-1		7-31	7-24
✓		13		8-2	173
				7-31	
	✓	✓	✓	7-31	✓
				351	
5.1	7	8	6	11	8
8-13	8-23	9-3	8-9	8-21	8-16
8-12	8-22	4	8-4	8-21	8-16
8-12	8-21	4	8-6	8-19	8-18
8-11	8-19	7	8-1	8-20	8-16
8-11	8-19	4	8-7	8-17	8-16
8-12	8-21	4	8-3	8-18	8-15
8-13	8-22	3		8-21	8-20
	8-21	6		8-21	
	8-22			8-22	
	8-23				
84	211	35	30	159	117
7	10	8	6	8	7
8-16	8-22	9-2	8-3	8-12	8-10
8-12	8-22	5	7-31	8-16	8-4
8-15	8-23	6	8-1	8-16	8-3
8-16	8-22	5	7-30	8-14	8-11
8-16	8-24	4	8-3	8-16	7-30
8-16	8-22	8	8-4	8-13	8-9
8-13	8-22	4		8-13	8-5
8-15	8-22	3		8-15	8-6
8-16	8-22				
135	8-22	37	10	115	47
7	247	8	6	8	8

July 1-10 6993 Cal Fort 4700

16055

6pm-8am

7-9	7-27	8-5	8-9
7-11	7-28	8-7	8-9
7-7	7-27	8-9	8-9
	7-27	8-6	8-10
	7-27	8-9	8-10
		8-1	8-10
		8-5	8-9

27 136 42 82-7
31 5 7 9

16056

8am-1pm

7-4	8-10	8-16	9-8
7-5	8-12	8-16	6
7-4	8-11	8-16	7
7-16	8-4	8-15	6
	8-4	8-19	4
	8-11	8-15	5
		8-15	6
			4

29 52 112 46
4 6 7 8

16057

1pm-6pm

7-2	8-10	8-12	9-7
7-8	8-12	8-10	6
	8-10	8-12	5
	8-12	8-15	6
		8-15	8
		8-13	5
		8-12	5
		8-12	6

10 44 101 48
2 4 8 8

16058

Not

Covered

7-7	8-3	8-13	9-6
7-6	8-6	8-14	5
	8-4	8-9	4
	8-4	8-14	4
	8-2	8-15	4
	8-4	8-12	4
	8-1	8-12	4
		8-12	4
		8-13	
		8-16	

13 24 118 35
2 7 9 8

Not started July 1

2-3 3-5 4-6 4-8

Kam	I.BR	Rex	81C	Nira	Shoe
7-30	8-1	8-21	7-25	8-7	7-29
7-29	8-3	8-17	7-23	8-6	7-29
7-29	8-2	8-14	7-22	8-8	7-27
7-29	8-2	8-16	7-25	8-9	7-30
7-30	8-3	8-12	7-22	8-7	7-30
7-30	8-1	8-12	7-22	8-8	7-29
7-30	8-1	8-11	7-24	8-7	8-2
127	8-1	8-17	168	8-7	202
6	14	8-15	7	8-8	7
	8	135		8-9	
8-12	8-21	9-8	7-28	8-21	8-10
8-11	8-20	9	7-30	8-16	8-7
8-11	8-22	5	7-30	8-16	8-10
8-12	8-20	7	7-30	8-15	8-14
8-13	8-18	4	8-2	8-16	8-7
	8-20	8	7-30	8-21	8-7
	8-20	7	8-3	8-16	8-6
	8-14	7	8-16	8-16	6
54	8-20	10	215	8-18	17
5	8-19	6	7	8-19	8-19
8-13	8-23	9-8	7-29	8-13	8-7
8-12	8-21	7	7-30	8-13	8-3
8-11	8-22	6	7-29	8-11	8-5
8-13	8-21	4	7-29	8-16	8-4
8-14	8-21	5	7-29	8-13	8-1
8-12	8-22	4	7-28	8-13	8-5
8-12	8-20	3	7-29	8-14	8-3
8-14	8-21	3	8-15	8-15	8-1
101	8-22	6-6-5	203	108	29
8	8-22	111	7	8	8
8-12	8-21	9-6	7-28	8-14	8-6
8-12	8-20	4	7-29	8-12	8-5
8-12	8-20	5	7-26	8-16	8-4
8-12	8-14	6	7-25	8-12	8-4
8-10	8-21	3	7-26	8-12	8-3
8-10	8-18	3	7-27	8-12	8-8
8-9	8-14	4	7-28	8-12	8-11
8-12	8-20	3		8-12	8-7
8-10	8-20	3		8-12	8
99	8-22	37	189	126	48
9	200	9	7	10	8
4-7	4-6	3-4	8-12	2-4	4-6

RED

UNITED STATES
DEPARTMENT OF AGRICULTURE

FIELD NOTES

BUREAU OF PLANT INDUSTRY
DIVISION OF COTTON AND OTHER FIBER CROPS
AND DISEASES

RICE

COUNTRIES

SUGGESTIONS CONCERNING FIELD DATA AND NOTES

DIVISION OF COTTON AND OTHER FIBER CROPS AND DISEASES

It is suggested that the following general information be recorded for each field experiment:

1. Name of experiment or study.
2. Soil type.
3. Previous crops and fertilizers (2 years).
4. Preparation of land: (a) Methods (b) Dates
5. Size of plot:
 - (a) Area in square feet
 - (b) Number of rows
 - (c) Length of rows
 - (d) Width of rows
6. Fertilizer:
 - (a) Pounds per acre
 - (b) Analysis (N-P-K)
 - (c) Time of application
 - (d) Method of application
 - (e) Side dressings
7. Planting: (a) Date (b) Rate (c) Method
8. Thinning: (a) Date (b) Method (c) Approximate optimum spacing attempted
9. Cultivation: (a) Implements used (b) Dates
10. Dates at which all notes and samples are taken.
11. Dates of pickings.

The following suggestions are made in regard to recording data:

1. Record all dates as figures, giving the month and day of month, as 5/16 (May 16).
2. Record all field weights in pounds and decimal fractions of pounds. The requisite accuracy depends somewhat on the size of sample, but for ordinary size plots 0.1 pounds is usually satisfactory. It is suggested that small samples be weighed more accurately (0.01 pound).
3. Estimations, such as seedling vigor, shedding, color, etc., may be recorded either numerically or with letter designations, as is found convenient; for example (seedling vigor), 1=Excellent, 2=Good, 3=Medium, 4=Fair, and 5=Poor; or E=Excellent, G=Good, M=Medium, F=Fair, and P=Poor. An explanation of legends should be recorded for each variable and experiment.
4. Diseases and insect pests:
 - (a) GENERAL.—Attack by diseases or insect pests should be recorded by suitable legends to indicate type of disease or pest, percent of plants killed or affected, and in serious attacks, estimating crop loss. For example, FW *5/35-7 (Footnote* Fusarium wilt 5 percent plants killed, 35 percent affected, 7 percent loss estimated).
 - (b) SPECIAL.—Where the book is used for taking notes on regional field tests on disease resistance, treatments, etc., it is suggested that directions which are furnished for taking uniform data be pasted, or copied, in the front of the book.
5. Diagram, to scale, the block on which each experiment is conducted, showing visible soil differences, variable plant response attributable to soil differences, drainage, or unequal irrigation, slope of land or contours, and any other features which may materially assist in interpreting the results. The square ruled paper in the front of the book may be found useful for this purpose.
6. Explain clearly all legends used.
7. Identify all experiments as to location on blocks and YEAR.

For types of experiments for which this book does not provide ample page space, larger sheets should be utilized. In taking data, which are to be reported in this book, or on larger sheets especially provided, the field or laboratory determination should be written directly, at the time of weighing or otherwise determining, and submitted to Washington, or filed as the permanent record. Avoid all possible transcribing or typing of raw data.

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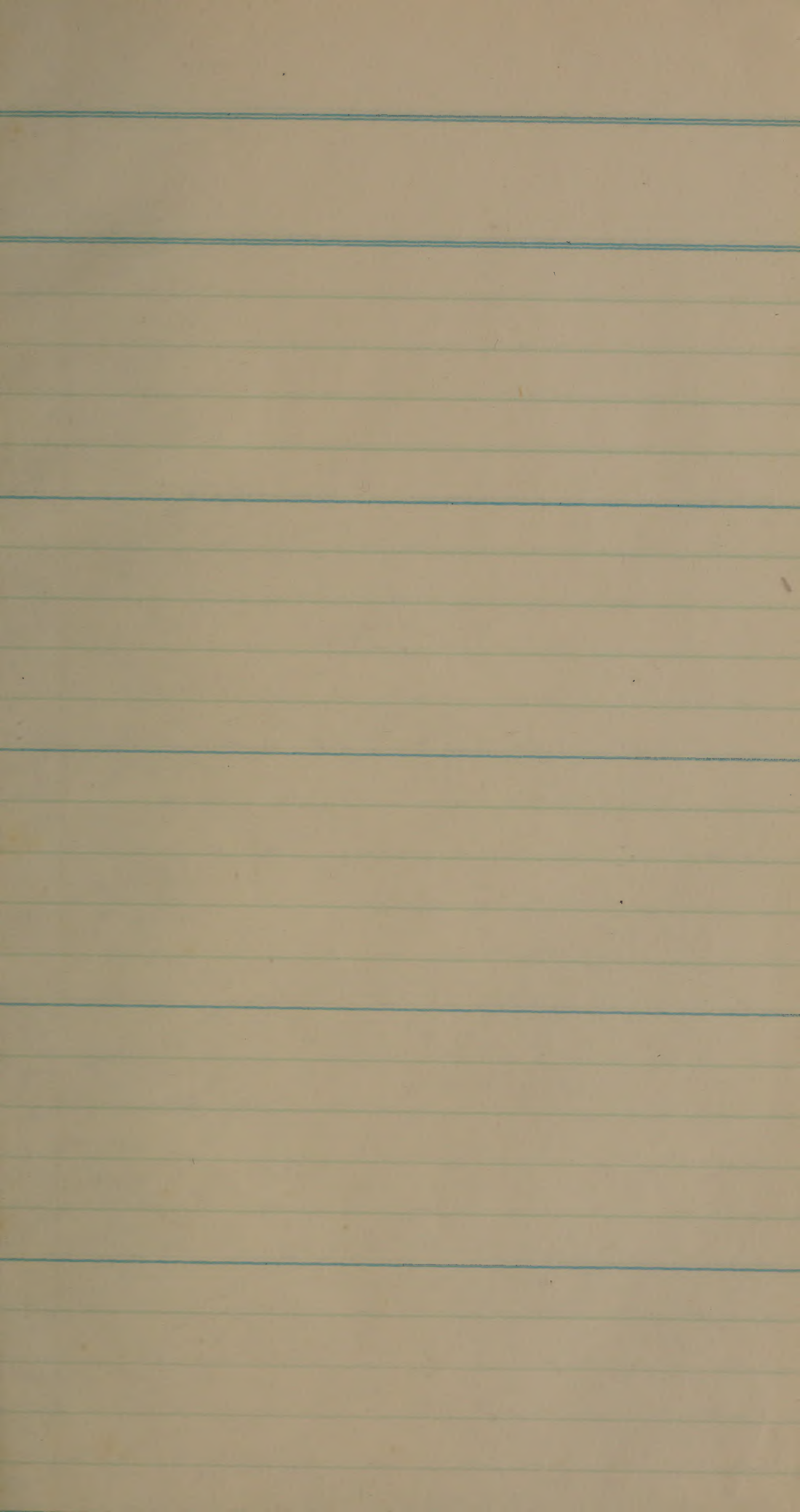
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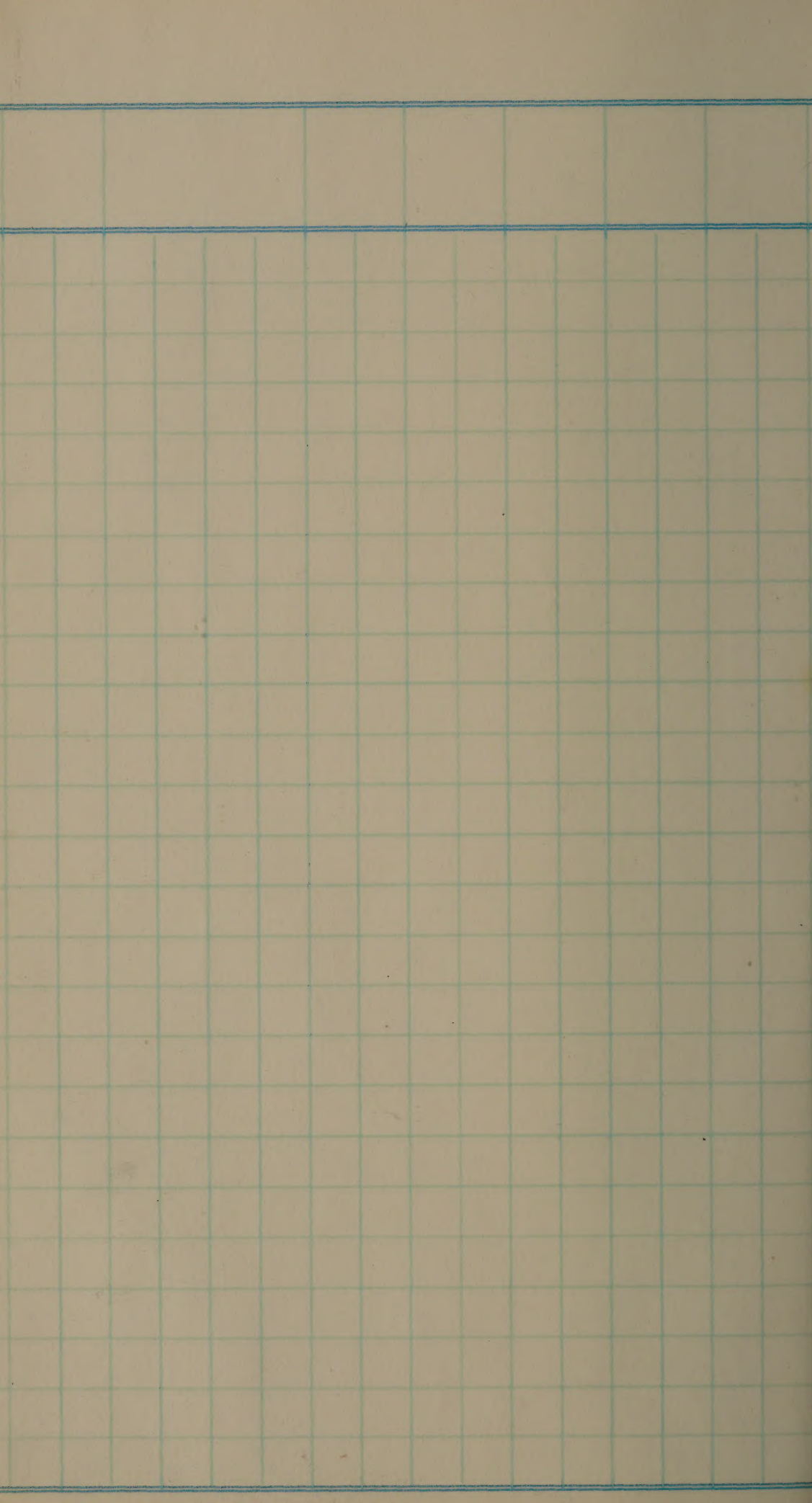
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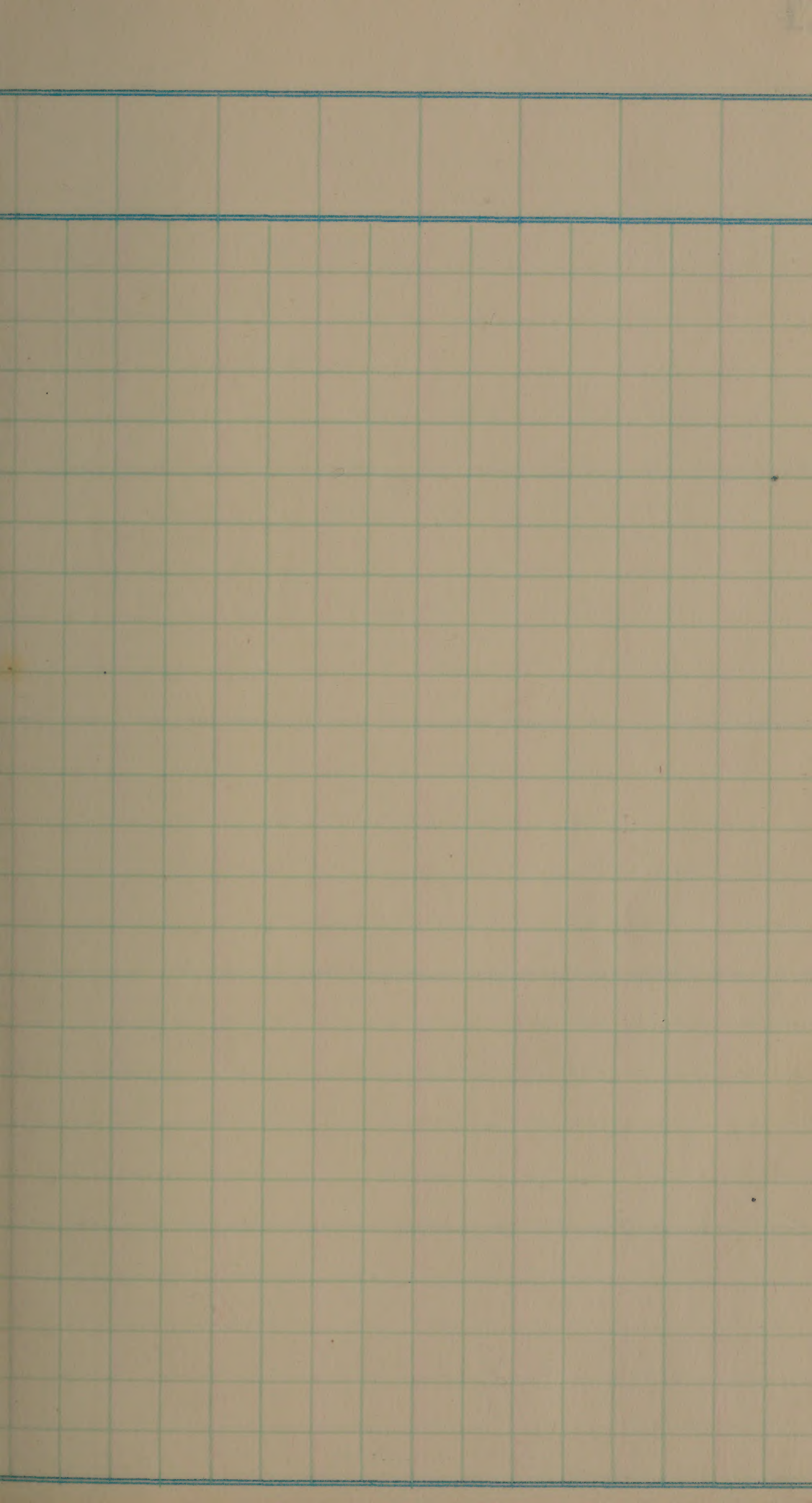
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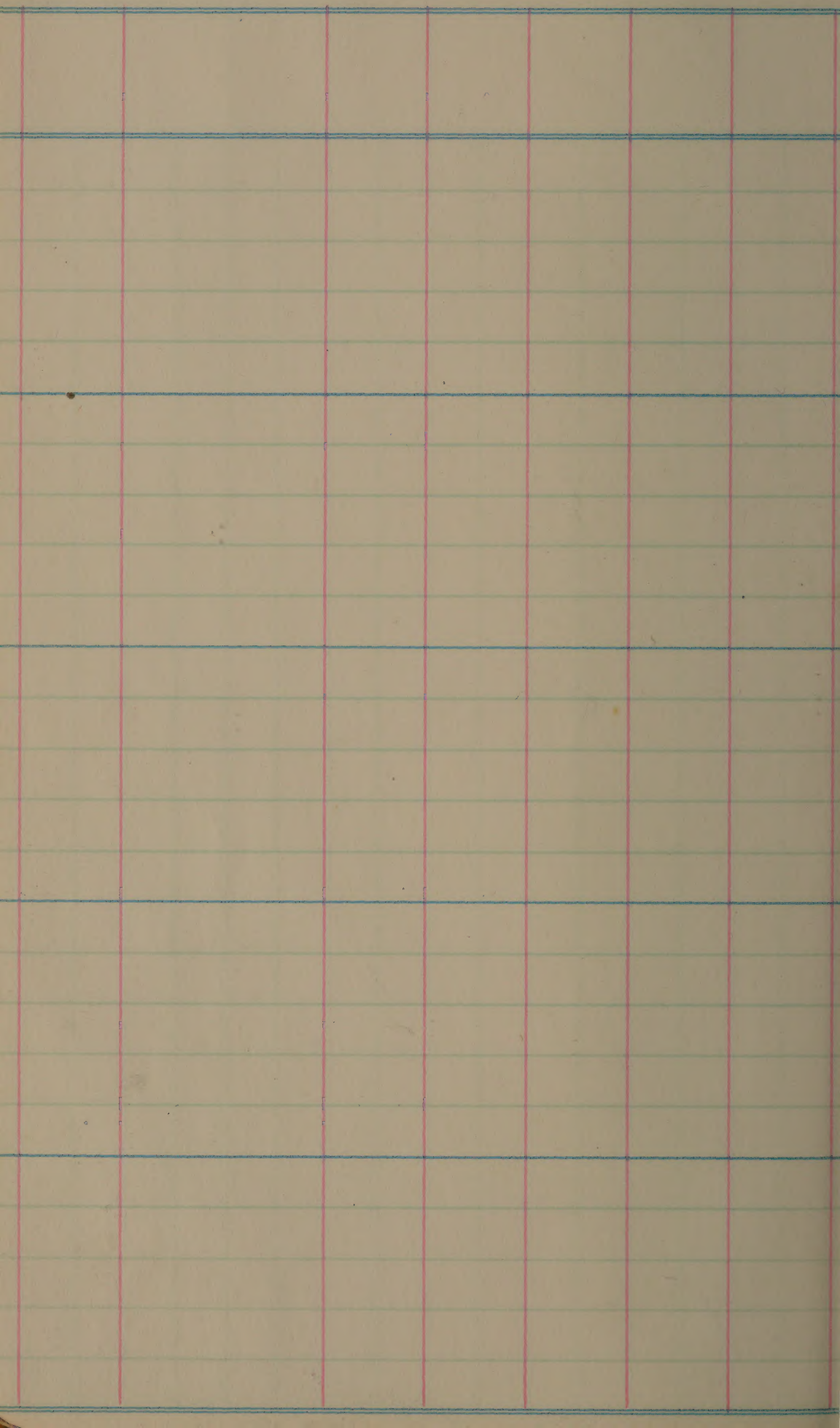
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date	Farmer	Variety			
			1	2	3
	Wolfe	Century 231 1+1A	0	0	0
	"	" 1+1A (new)	0		
	"	" No. 3	2	2	0
	Dickman Bros	Cent 231	0	0	0
	Carter	Cent 56	1	0	0
	Texas Rice Land Cent	Paxoo (not clean)	0	0	0
	Maxwell	TP49 (land) not clean			
	G. Harrison,	Imp BKT	1	1	3

No. pounds, Trial

4	5	6	7	8	9	10	No per lb.
0	0						0
0	1						1
0	0	0	0	0	0	1	$\frac{1}{10}$
0	0	0	0	0	0	0	$\frac{1}{10}$
0	0	0	0	0	0	0	0

10 # pulled
2

5
1.4

$$\begin{array}{r} 147 \\ 171 \\ \hline 318 \\ 93 \\ \hline 411 \end{array}$$

Century Head Row seed

Head Row 231

1	131	173	382
2	126	166	532
2	125	339	<u>914</u>
	<u>382</u>	7168	100
		<u>507</u>	<u>1014</u>
			507

winterman

S3B (CHR231)

1	123	no 2 of = 100
2	146	
3	131	
4	132	
2	532	holte
3	86	
3	179	Bayt 405
4	174	
7	123	
9	183	
0	177	maunt =
1	129	
	<u>1051</u>	Thay 411

158
168
147
<u>473</u>

no. 2 = 183

1051

382

532

1965

283

2248

2702

2248

454 line

7

Rogue

1	145	475	
2	127	422	
3	<u>150</u>	<u>422</u>	
	422	53 [#] less	(41 [#] no. 2 discarded)

Improved Bluebonnet

$$\begin{array}{r}
 1 = 128 \\
 2 = 156 \\
 3 = 163 \\
 \hline
 447
 \end{array}$$

$$\begin{array}{r}
 \text{No Red} \\
 3 \text{ No. 2} \\
 \hline
 490 \\
 447 \\
 \hline
 43 \text{ less}
 \end{array}$$

Bluebonnet

$$1 = 114$$

$$2 = 179$$

$$3 = 108$$

$$4 = 401$$

$$585$$

$$401$$

$$184 \text{ lbs}$$

$$2 = 11 \text{ Red in no 2}$$

$$4 = 16 \text{ " " no 2}$$

$$3 = 20 \text{ Red in 4\# no 2}$$

$$1 = \text{no Red in 4\# no 2}$$

$$2 \times 4 = 1 \text{ Red in 4\# (no 1)}$$

$$\text{no 1 sum} = 4 \text{ lbs} = \text{no Red}$$

B438A

$$1 = 145$$

$$2 = 123$$

$$3 = 106$$

$$374$$

Hulled 4 lbs No. 2
no Red

$$433$$

$$374$$

$$59 \text{ lbs}$$

Ruxoro

1 = 112

613

2 = 158

551

3 = 117

62 [#] *line*

4 = 162

551

(4 lbs #2 No Red)

T. Patna 49

$$\begin{array}{r}
 1 \quad 141 \\
 2 \quad 159 \\
 3 = \underline{167} \\
 \quad 467
 \end{array}
 \qquad
 \begin{array}{r}
 510 \\
 467 \\
 \hline
 43 \text{ \# less}
 \end{array}$$

3[#] no. 2 = No Red

Antony 52

$$1 = 169$$

$$3 = 173$$

3rd injections
showed 27 Redas per
lb.

Bluebarnet 50

p 4 & 7

were 5 ex before grading
and they weighed:

$$\begin{array}{r} 125 \\ 132 \\ 125 \\ 127 \\ 127 \\ \hline 636 \end{array}$$

$$\begin{array}{r} 202 = 12 \frac{2}{3} \\ 1 = 0 \\ 1 = 1 \\ 1 = 5 \\ 1 = 2 \\ 1 = 3 \\ 1 = 1 \\ \hline 7 = 15 \end{array}$$

Cleaned into more 118 muck

121 muck

124 muck

116 muck

83 muck

557 79th loss

x 2 Redas per lb

158 Redas removed

a few golds are present
in this lot of seed.

Bluebount 50 P6

were 9 sacks, & they weighed before
grading after cleaning no. 2 showed ^{no} Red

127

128 Maunty

1 = 1

133

122 D ✓

127

133 Maunty

124

118 D ✓

134

118 D ✓

135

123 D ✓

130

124 D ✓

139

125 D ✓

128

127 D ✓

1177

1118 57[#] loss or 182 Red grain

122

118

118

123

124

125

127

857 Davis

118

124

121

128

111

133

83

385 Maunty

+33 meek

Red Rice on P6 seconds

(2 1
2
2
2
5
5
5)

16 per 5 lbs. or

3.2 per lb.

no. lbs.
to each
farmer

11	507	Winterman
11	507	Nolte
9	411	Maurity
9	411	Jay
9	411	? Willis,

9	401	allen + gann would take this	?	Richmond
10	447			Angleton
12	551			allen + gann.
10	467			Willis

8	374	Broussard	Broussard
9	422	Pat Boyt	Boyt
			Nolte ?
10			Maurity
10			Musk-
10			Walter

13 7 acres.

7
9
15 3 acres

From original lot of $9\frac{1}{2}$ sacks

No. 1 seed from cylinder was run through
Larkin grader. About 7 blbs resulted in about
15-20 lbs of rejections. These rejections were
rerun and a total of 3 lbs. rejections were
obtained. These 3 lbs showed a total of 171 Red grains.
The No. 1's from from this No. showed no Red
when 2 lbs were hulled.

The No. 2 from cylinder (2 blbs. or more)
showed about 10-12 lbs of rejections from first
run and slightly less when run the second
time. Rejections from second running did
not show any Red (2 lbs. hulled).

The rejections from first run were 17 lbs.
rerun and the 808 gms of rejects
from this run showed about 800 Red grains.
The No. 1 from reject run showed 16 Red grains
from 9 lbs. examined indicating that Red
grains were getting through screen. There
was some question about this figure as 2 paper
bags supposedly contained this material & 1 of 4 lbs
showed no Red while the other containing 5 lbs. showed
16 Red grains.

	1	2	3	4	5	6	7	8	9	10
✓ RN	0	0	0							
✓ Sup BRT	0	0	0							
✓ BBT	0	2	0	4						
153B C-HR 1st	0	1	0	0	1	0	1	0	0	0
See reverse.	14 per 10# in no 2.									
✓ Pemoro	0	0	0	0						
✓ Century 231	0	0	0							
✓ C-HR - 231	0	0	0							
✓ 3/8	0	0	0							
✓ SMBR	0	0	0							
✓ Century 52	1	1	0							
✓ Rouge	0	0	0							
✓ TP. 49	0	0	0							

160Ld.
 14 per 10# in no 2.
 no Red in 2nd.
 no Red in no 2 and no Red in no 1 after grading.
 combined first can be 2 1/2 lb in 100 lb.
 3 per 1# graded mix.

original clean
nut nut, Loss
the 90

Century 231

382 winterman and

reclaim 100 rolte.

CHR231 532 Maunty, Jay,

CHR 1051 and ?

reclaim 183

Total

2702/248 454 16.8

✓ Bluebonnet 585 401 184 31.5

✓ Imp Bluebonnet 490 447 42 8.8

✓ Rexoro 612 551 62 10.1

✓ T. Patna 49 510 467 42 8.4

7/8 Rexoro X ✓ 463

X RN X 500

✓ B438A1-104 ✓ 433 374 59 13.6

✓ (B46-47 99) ✓ 475 422 52 11.2

(Century 52) ✓ 385

✓ Bluebonnet 50 491.0 898 15.5

✓ "

✓ "

Lms

Texas Patna 49 510 467 43

 $\frac{7}{8}$ Rexoso

RN

B438 A1-104 433 374 59

B46-4799 475 422 53

Century Palm

Germinations on F. Plot seed
fumigated with Methyl-bromide
BBT-50 roots distinctly stubbed & full
some shoots clubbed.

Chit 231 appeared normal
TP + 9 " "
Imp. BBT. Some. Injury.

Blue Bonnet, 11 11

B438A. Bl. Injury.

REXORO. Some. 11

ROUGE. appeared normal.

Century 52. Some. Injury.

7/8 REXORO. ?

CENTVAY. ?

Calif. ?

212. ?

R.N. ?

① Same as BBT 50

Foundation seed lots

Var.
Century

Larmer
Motte

no
lbs.
examined

"

Boyt 19½

No. Reds in 19½ lbs., no off type grains found in 2 lbs. examined.

"

Lt 63

Maunty 17½

Found 36 straw hulled grains in 1 lb. rough, otherwise O.K. Some of these grains are Bluebonnet, excellent milling quality, also 1 med-grain straw (Zenith type)

"

Hay

"

Winterman 20

Found 2 Bst type grains and 1 straw hulled Century type per lb.

1951 Crop

no
Reds

0

1

0

Foundation seed lots

imp.
lbs.

BBT 50 (Lot 86) Maunty 17½
 Found 29 golds in 2 lbs. examined or
 15 per lb. most look like Century

(Lot 71) Meek 17
 Found only 4-5 golds per lb.

Imp. BBT (Lot 147) Roberts 20
 Examined 2 lbs rough, found 15 golds
 or 8 per lb. grains rather thin and
 considerable hull decoration. Stamel said
 this was common variety.

Bexoro Allen & Gann 20
 Found 1 Jap type grain with gold hulls
 in 1 lb. examined

T. Patna 49 (Lot 95) Meek 19
 No. off types observed

no no
reds per
100
lbs.

12

15

175

0

0

no
the
examined

Bluebonnet glass 20
4 oz. loss; found 28 golds in 2 lbs.
or 14 per lb.; look like Century.

B 438A

Bronze + (8 1/4) 3
Bennet
(1 examined
already
21 per)

no. per 100##

72

10% fields et al.

✓ BBT 50 (Lot 79) Angleton Expt Sta 20
Bearded Red Hasselfield 11 1/2 } 20 1/2

✓ Century 231 (Lot 106) P. F. Roberts 10

✓ " Lot 101 Edgar Coale 10
20 this Century

✓ " Lot 66 R.E. Truck 8 1/4

✓ " Allen + Gamm 10 }
Hasselfield 15 } 25

no
Teds

no
per
100
the

107
73 } 180

3

0

3

6
0 } 6

10 % fields

✓ Century 231 E. V. Boyt 7

" Thomas Winters 10
(Hasselfield) 8)

" W. A. Gless 10
(Hasselfield) 7) 11

" James Henke 10
(Hasselfield) 8 1/2) 11

" John Heubner 4 2/3

no.
Reds

1

0 } 1
1 }

0 } 0
0 }

3 } 3
0 }

1

Century 231	Elkins	6
-------------	--------	---

Century 231	Brousard et al	10
-------------	----------------	----

Century 231	Chas Jones	5
-------------	------------	---

Century 231	Willie Schert	3
-------------	---------------	---

Century Patua 231	TRIA, 75Ac	21.7
-------------------	------------	------

5

2

0

724

1

✓ Century Patna 231 State Field 14 6

✓ BBT 50 State Field 34 6

✓ BBT 50 TRIA (RPR1) (23) 5.12

✓ BBT 50 TRIA (RPR-1) 6.14

✓ Imp. BBT TRIA (RPR-5) 6.4

57

86

19

28

35

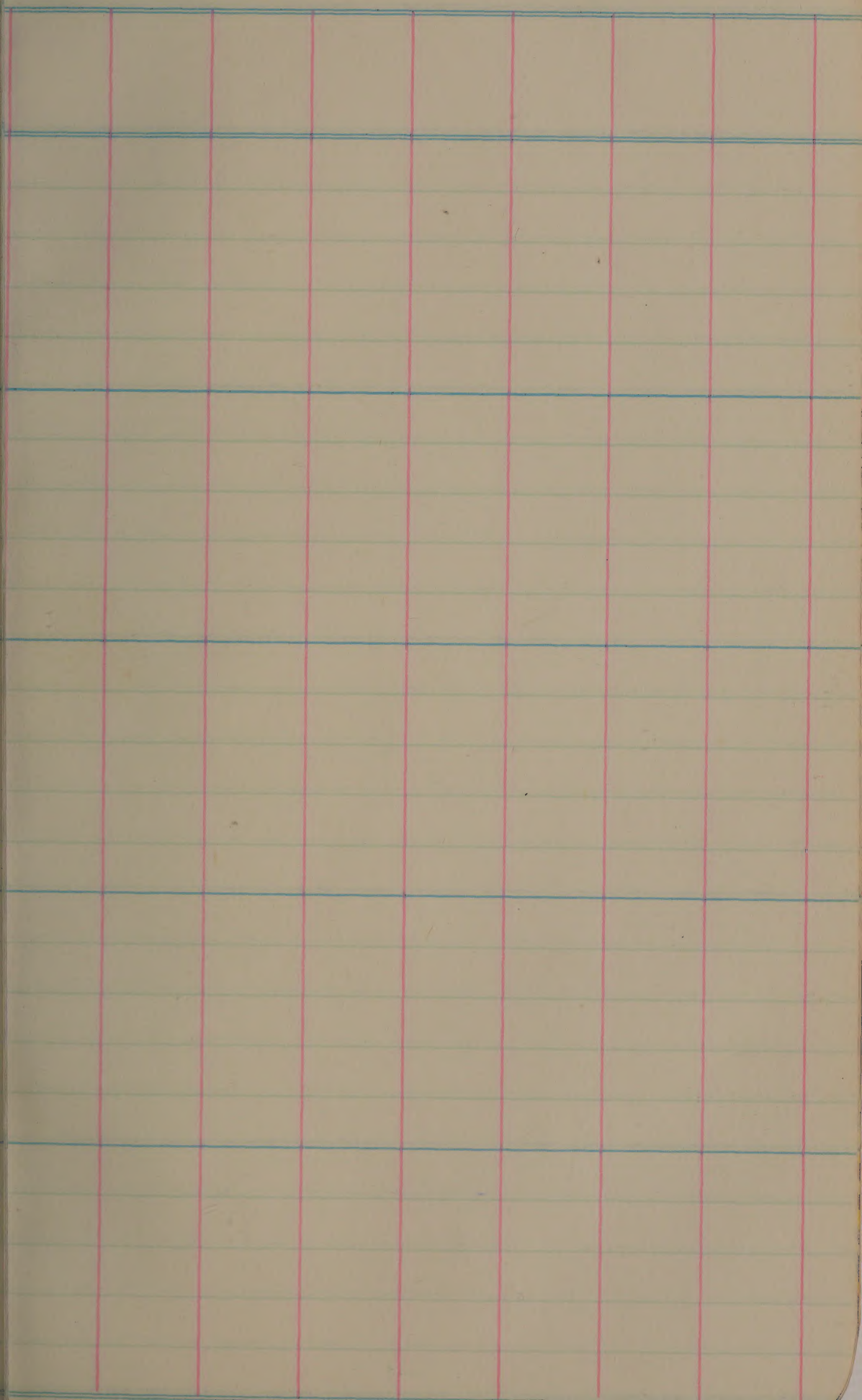
no
the
examined

✓ Rexord

State field 40Acre 21.2

no	no
Reds	per 100 #

0



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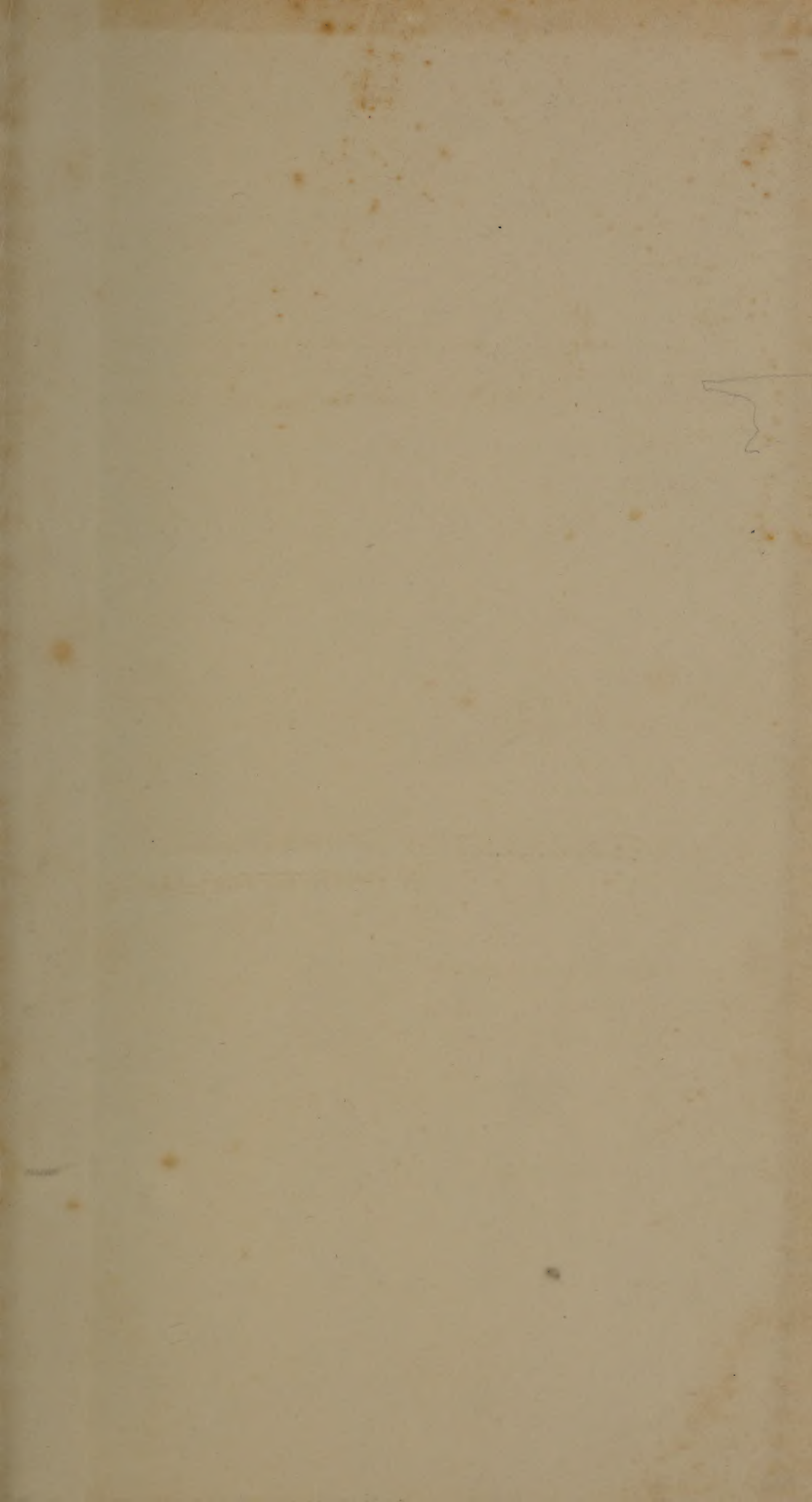
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BUREAU OF PLANT INDUSTRY

**Division of Cotton and Other
Fiber Crops and Diseases**



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UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
Crops Research Division

FIELD NOTEBOOK
AGRONOMIC NOTES

If found, please tie securely and return to

(Employee's Name)

(Street Address)

(City and State)

SAMPLE PAGE

VARIETAL TEST OF OATS, 1908

CONDITIONS OF EXPERIMENT

PLOT

Location_____Field H.
Size_____1/20 acre.

SOIL

Kind_____Prairie loam.
Position_____Somewhat rolling.
Previous crop_____Corn.

NAME AND CONDITION OF MACHINERY

Plow_____
Disk_____Osborn_____Sharp.
Harrow_____U Bar_____Good.
Seeder_____Monitor_____Good.

SEED

Variety_____Variable.
Weight per bushel_____Variable.
Source_____Variable.
Treatment_____Fanned clean and treated for smut.

SEED BED

Preparation :
1. Disked (lapped half)_____4-6-'08.
2. Disked (lapped half)_____4-10-'08.
3. Harrowed_____4-10-'08.
4. Harrowed_____4-27-'08.
5. Seeded_____4-27-'08.
6. Harrowed_____4-27-'08.

SEEDING

Manner_____Drilled.
Date_____4-27-'08.
Rate_____3 bushels per acre by weight.

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

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6. _____

SEEDING

Manner_____

Date_____

Rate_____

TEST OF _____, 19_____

CONDITIONS OF EXPERIMENT

PLOT

Location_____

Size_____

SOIL

Kind_____

Position_____

Previous crop_____

NAME AND CONDITION OF MACHINERY

Plow_____

Disc_____

Harrow_____

Seeder_____

SEED

Variety_____

Weight per bushel_____

Source_____

Treatment_____

SEED BED

Preparation:

1. _____

2. _____

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5. _____

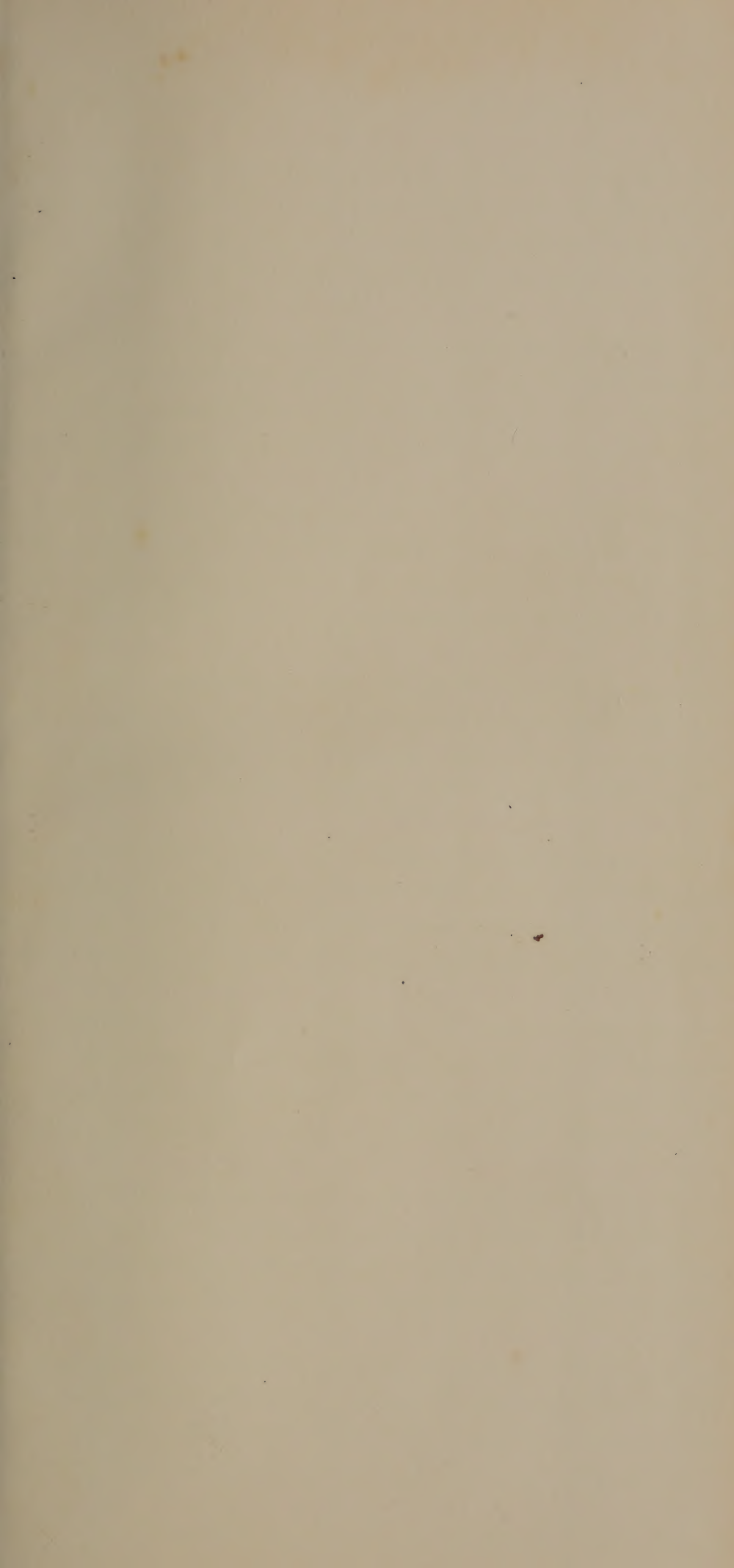
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SEEDING

Manner_____

Date_____

Rate_____



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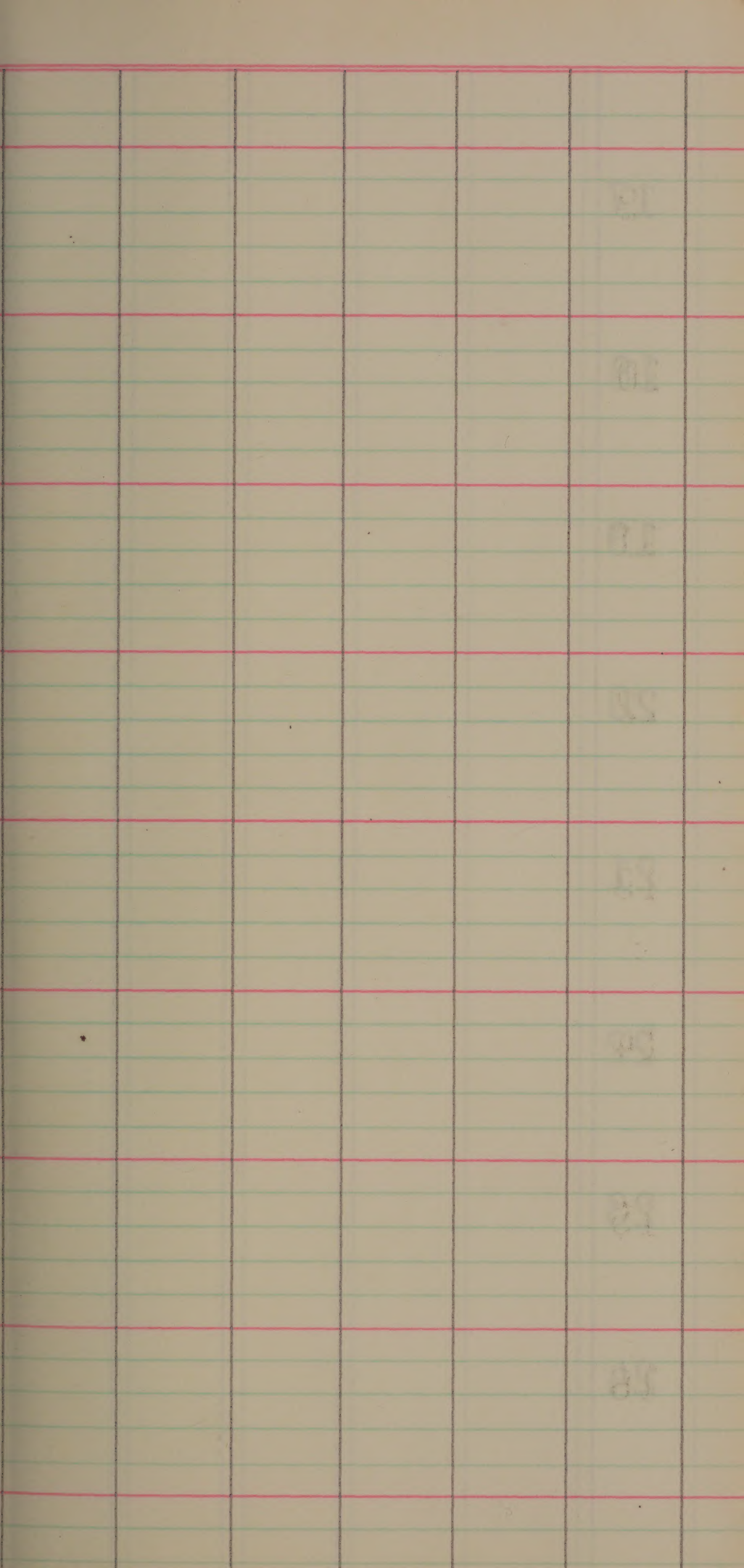
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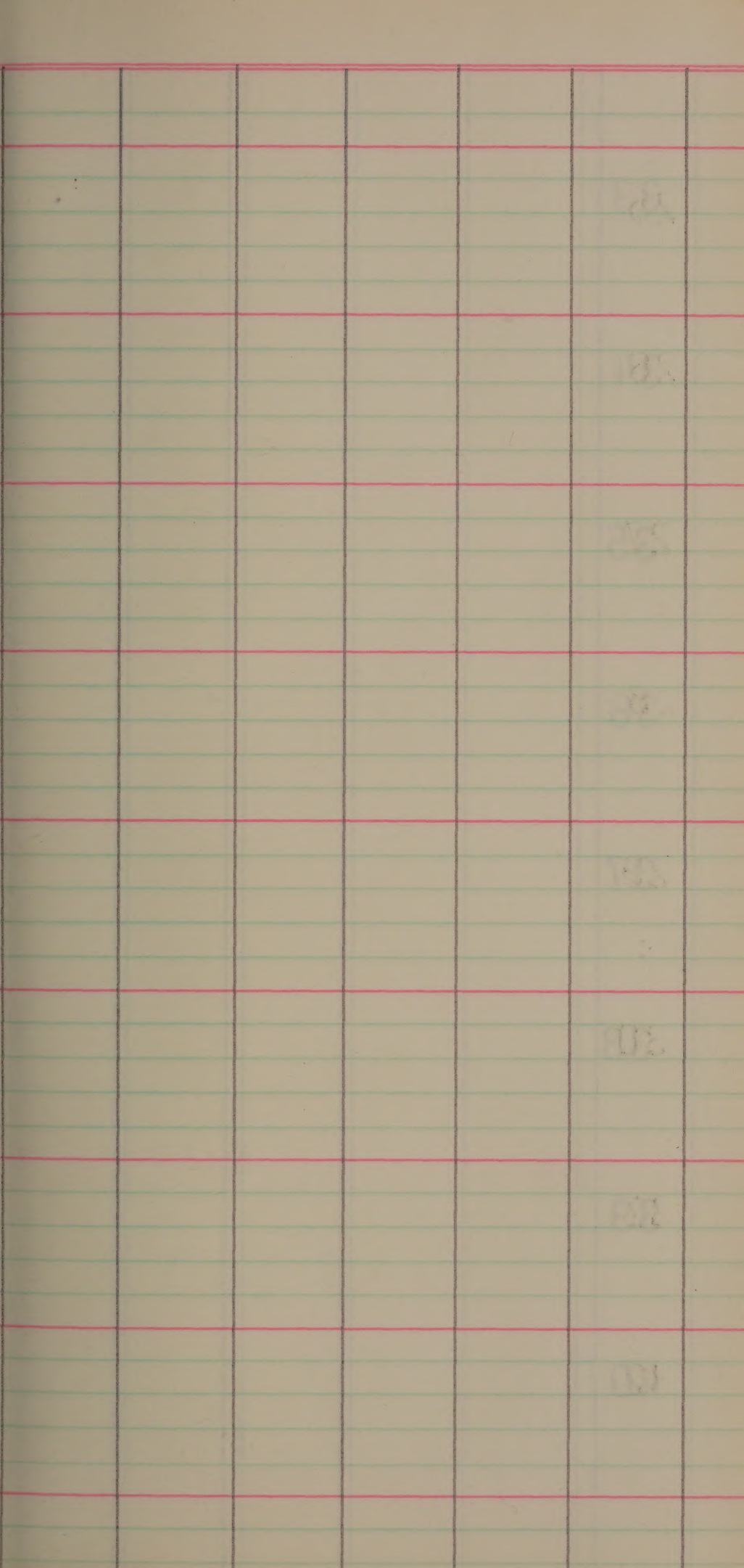
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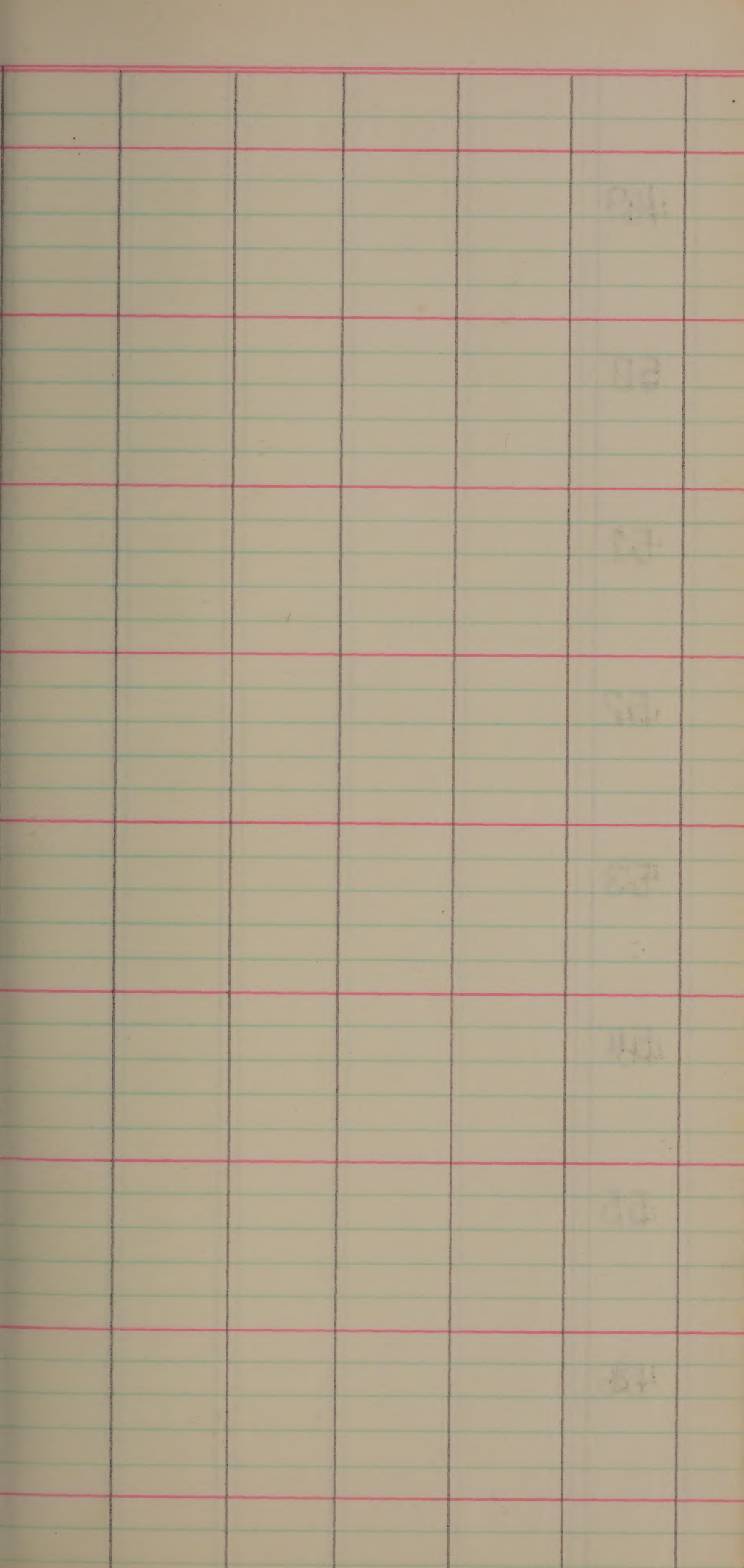
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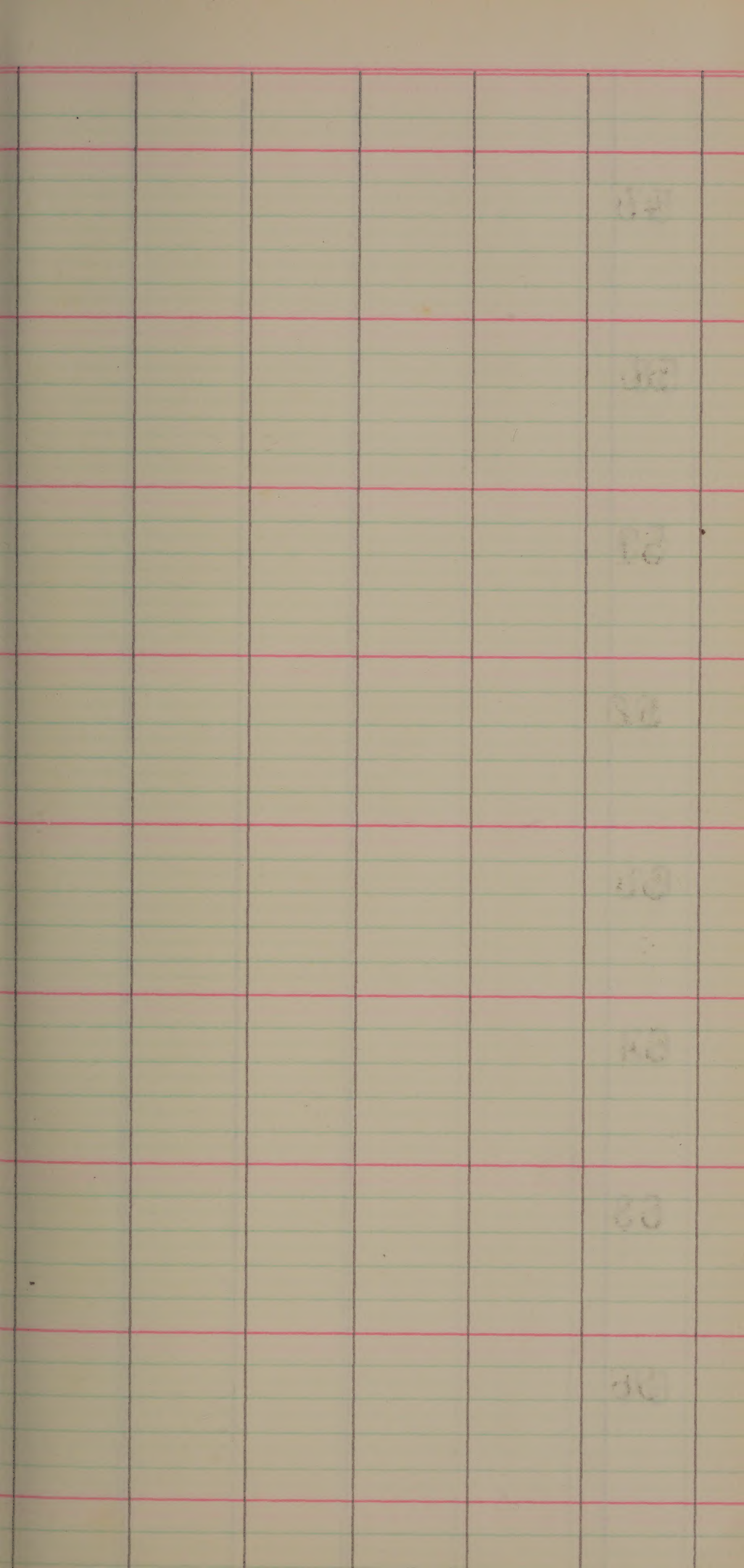
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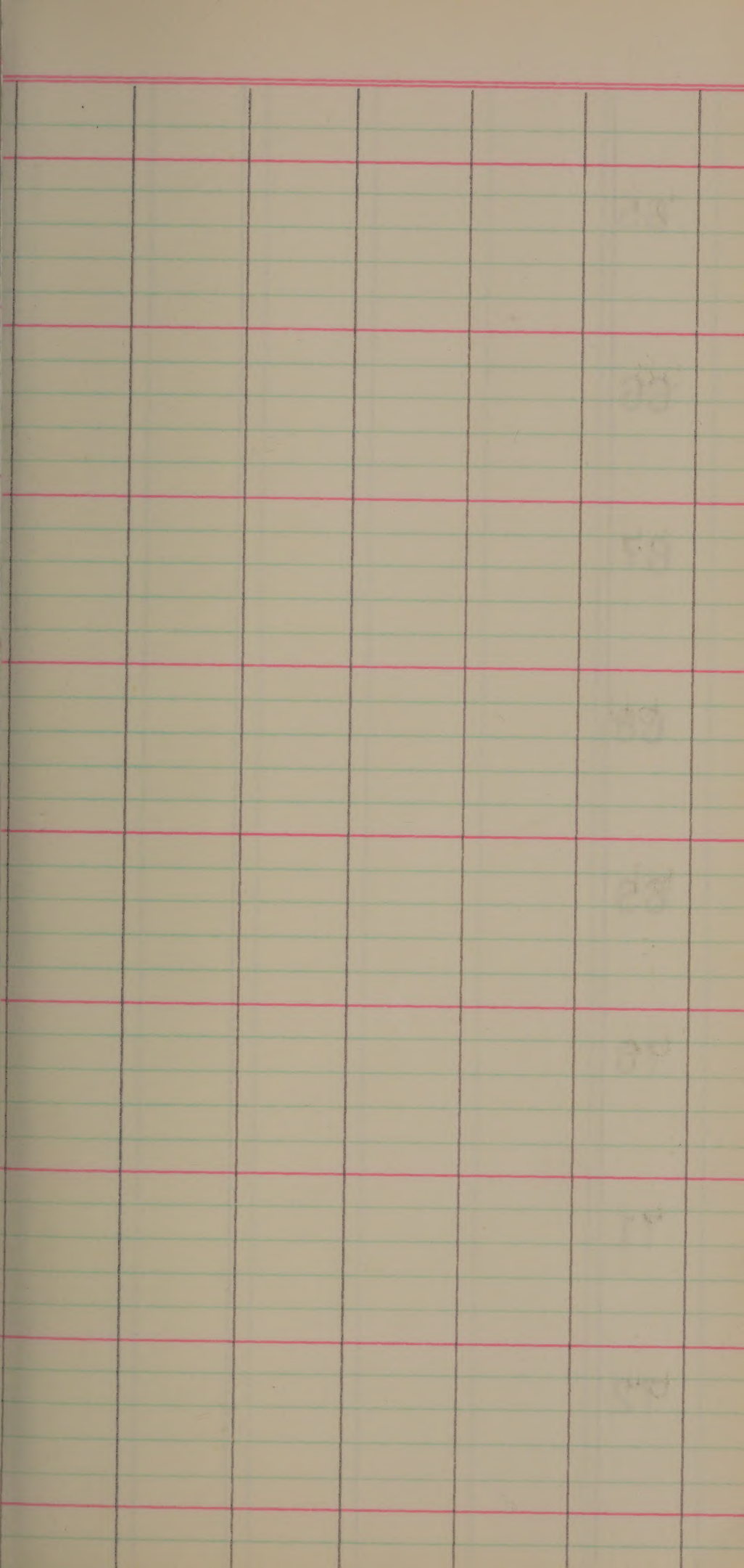
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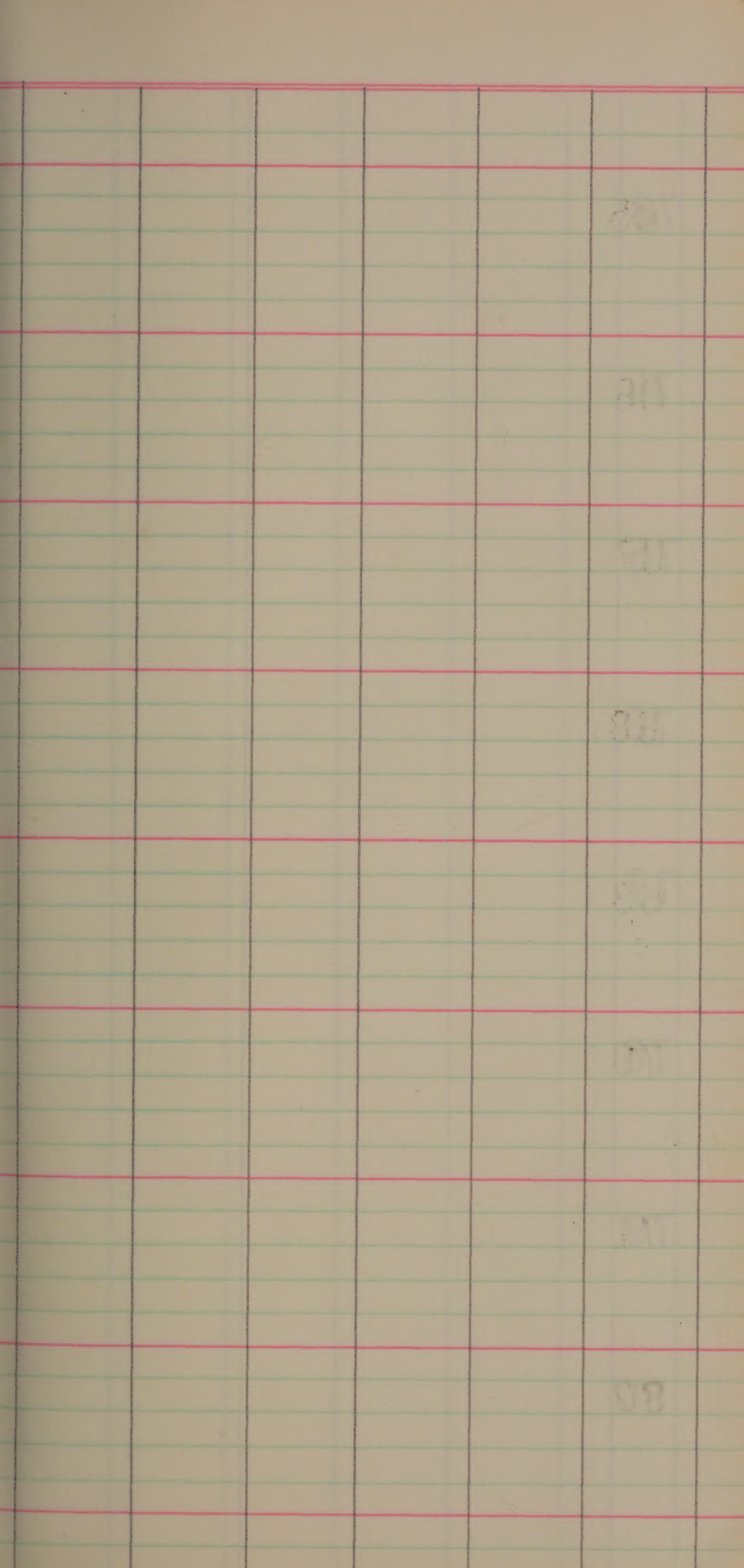
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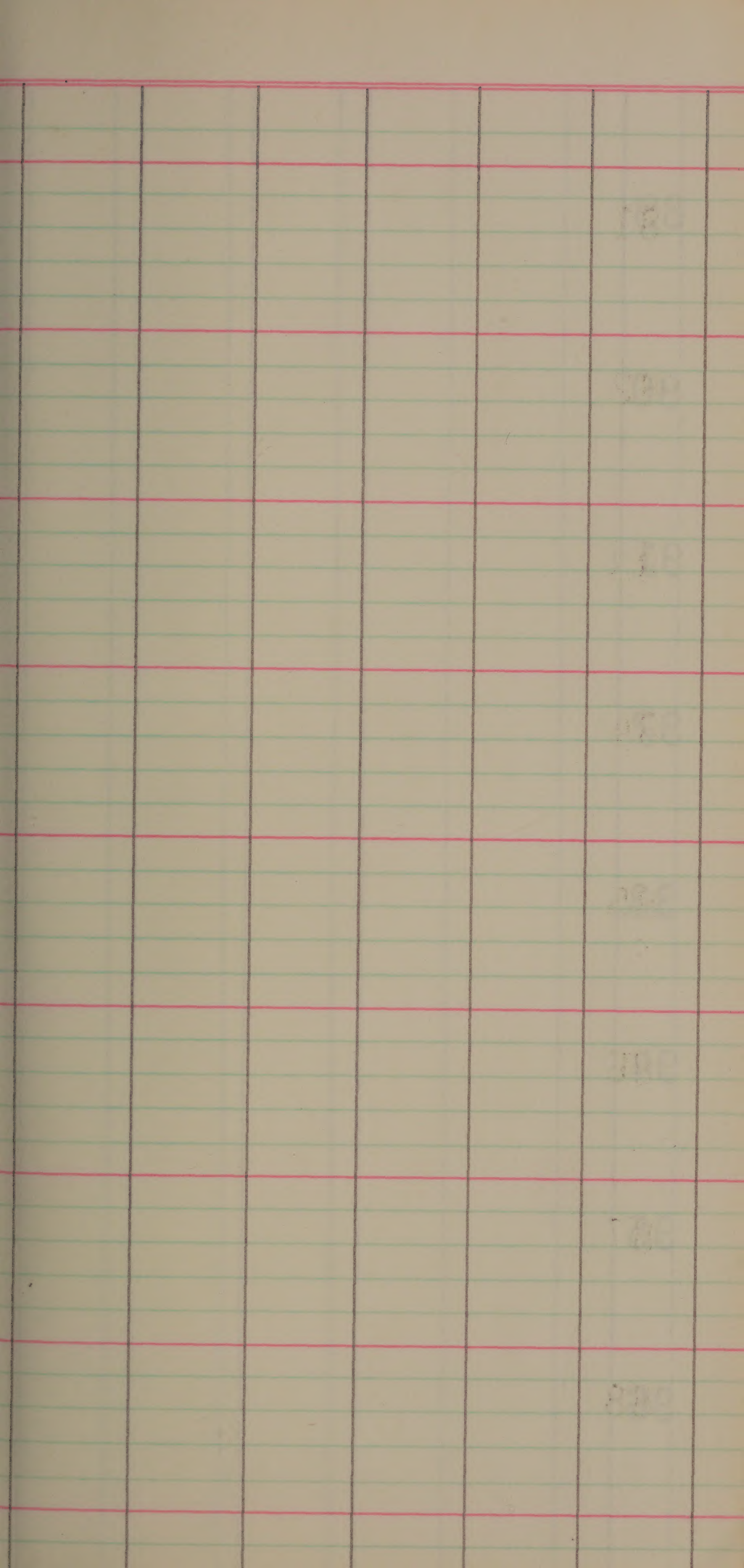
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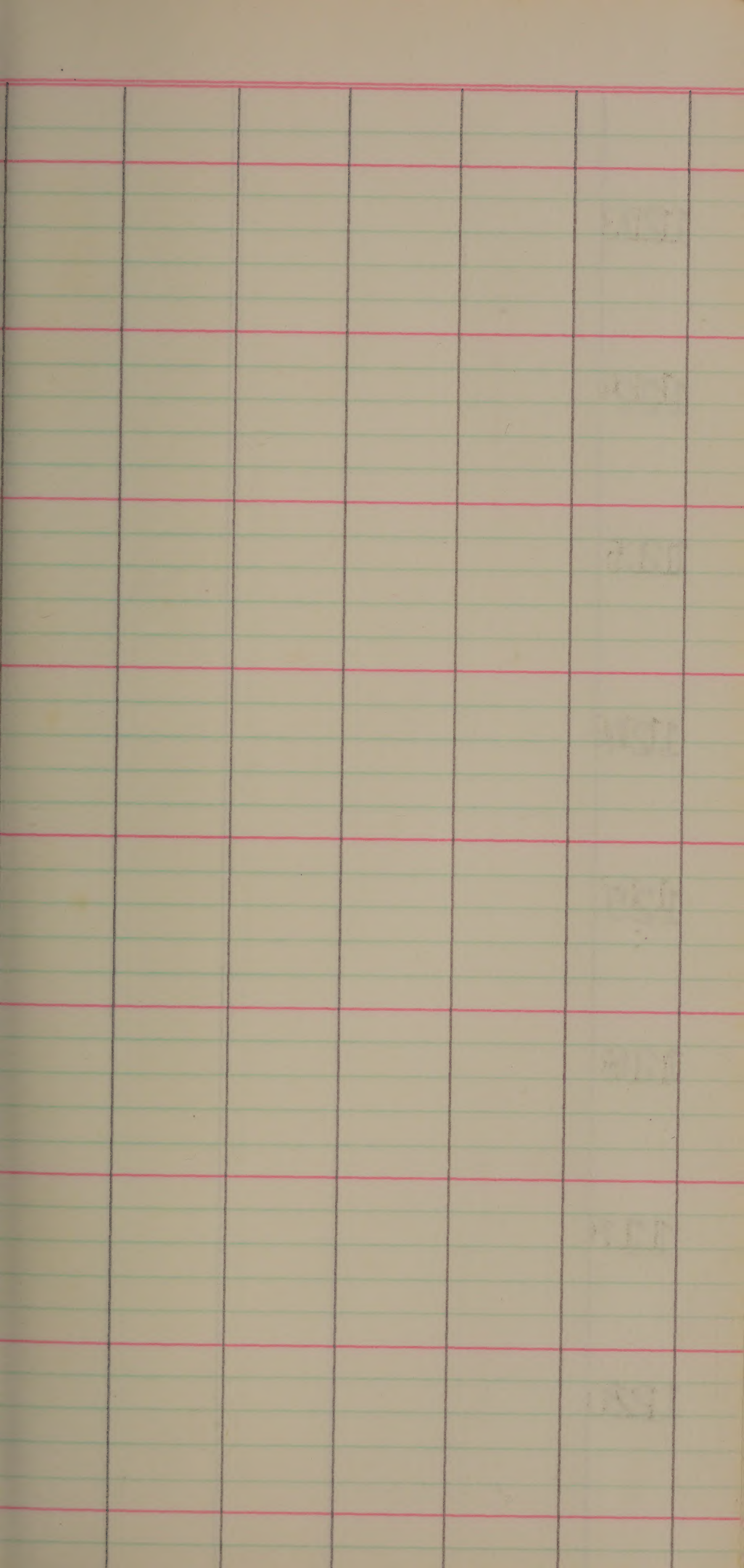
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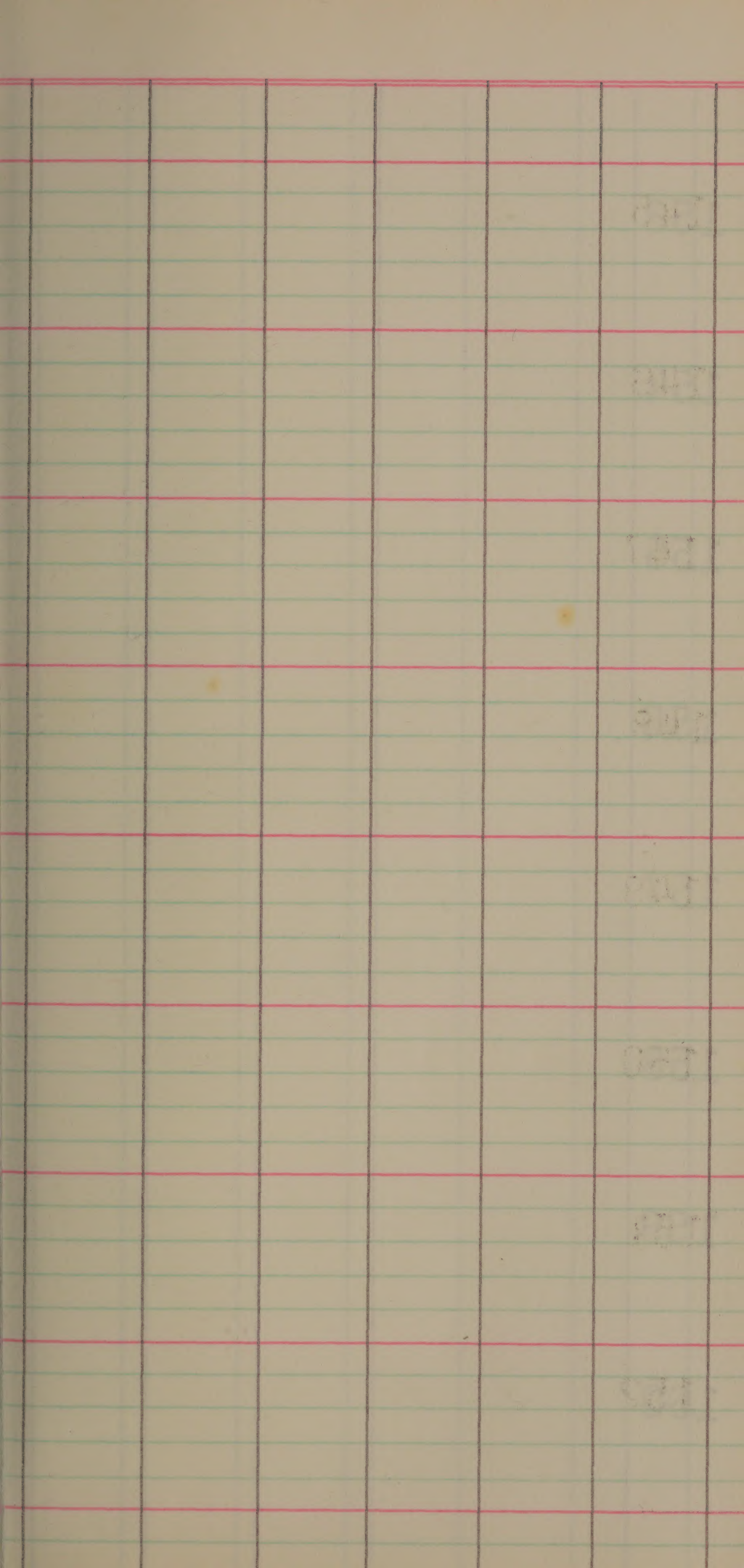
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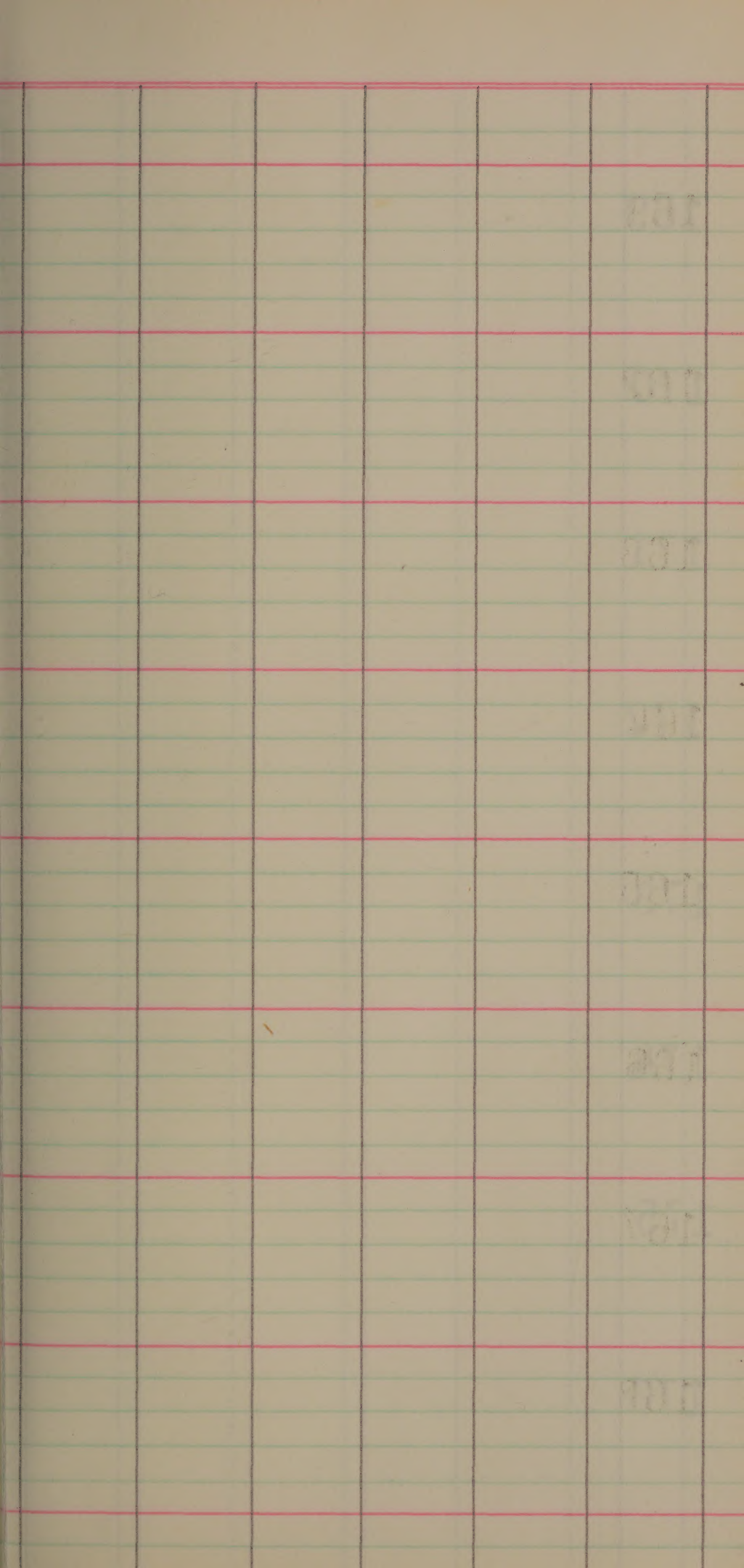
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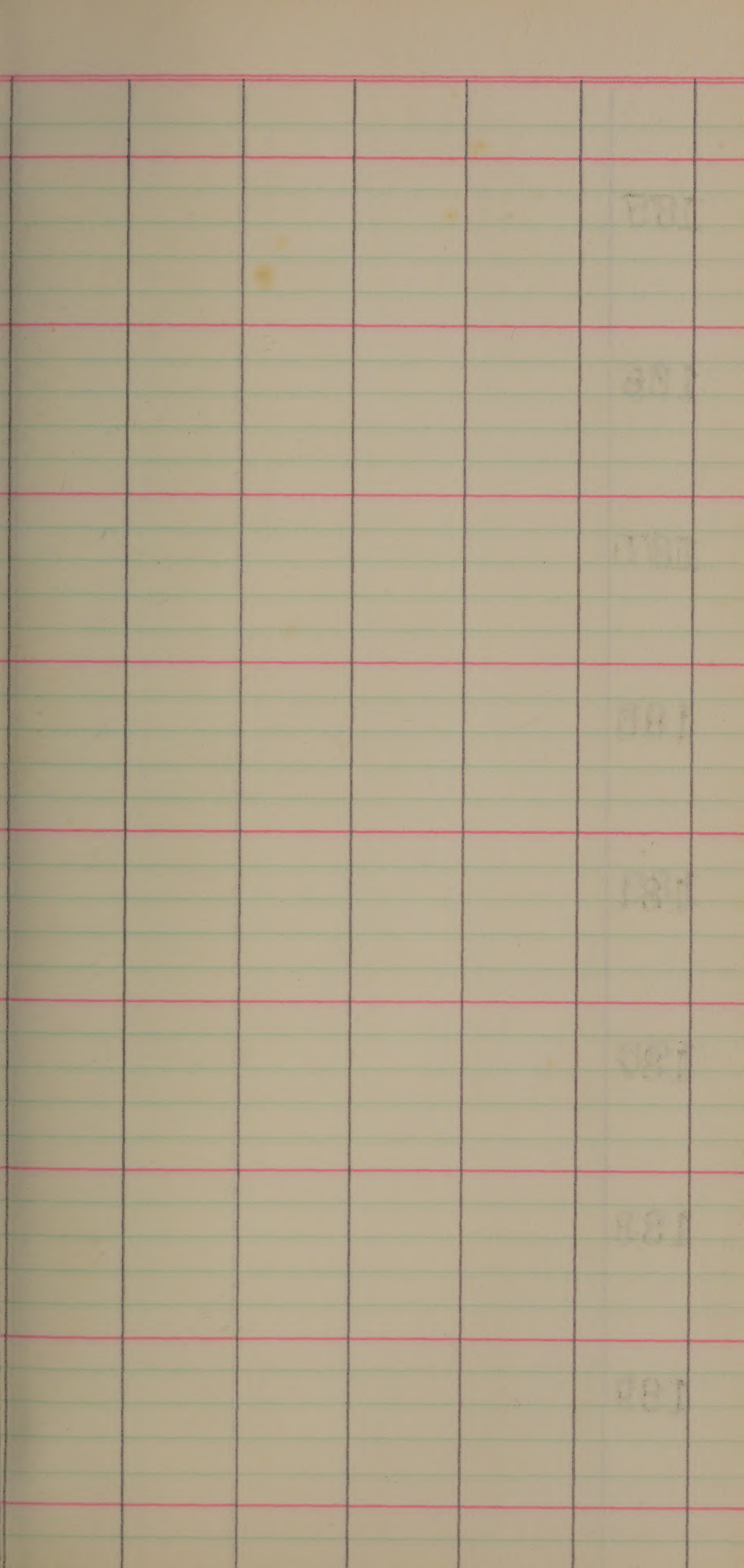
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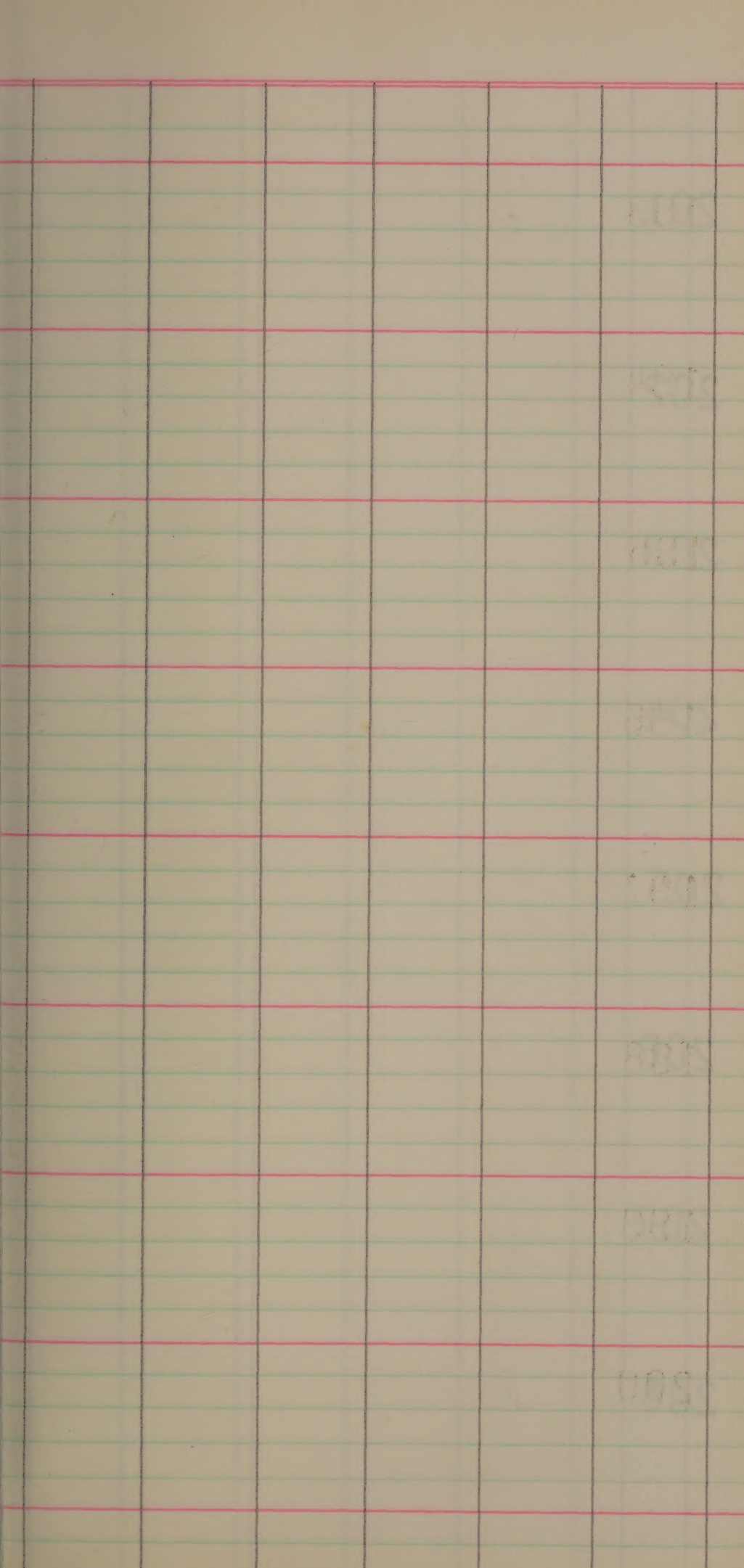
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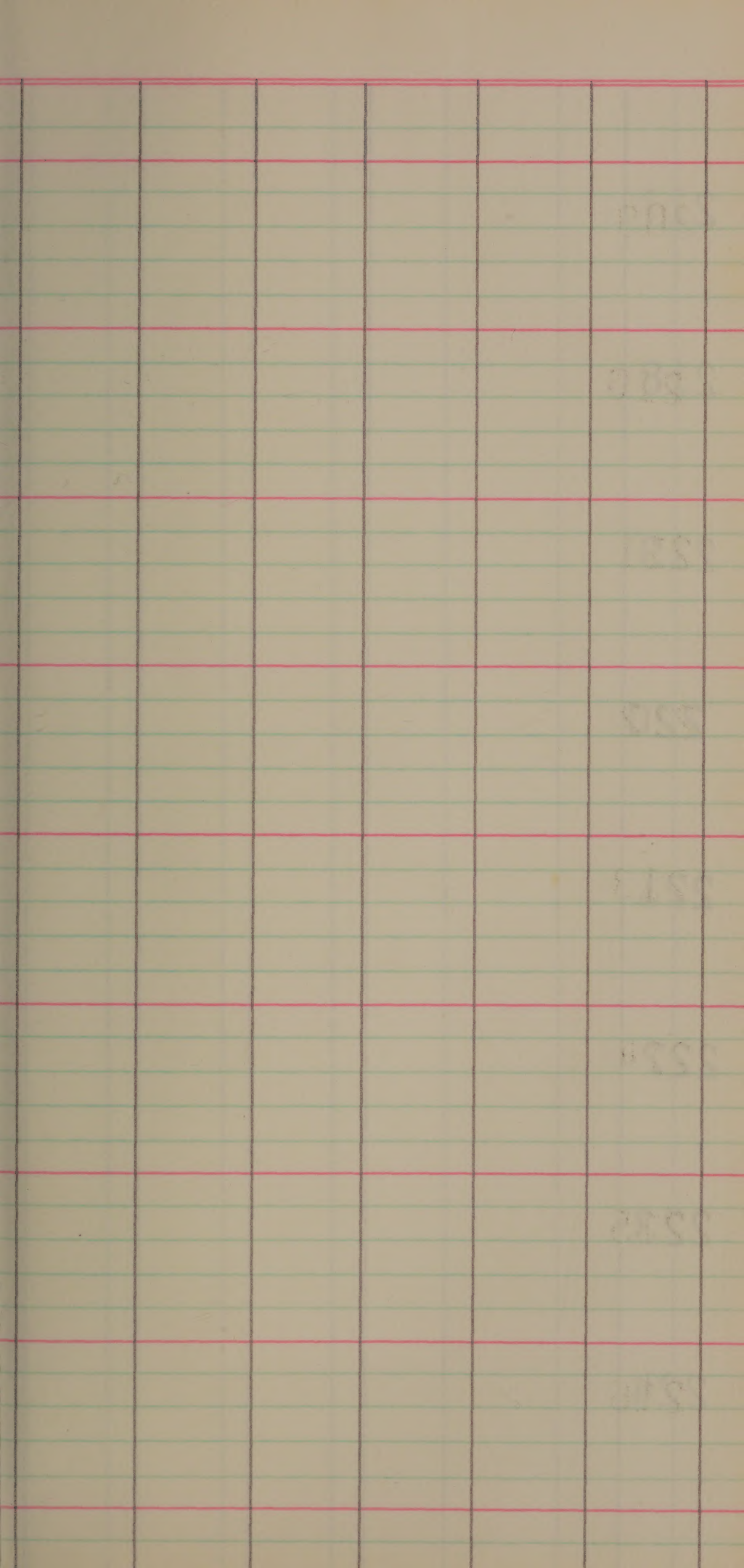
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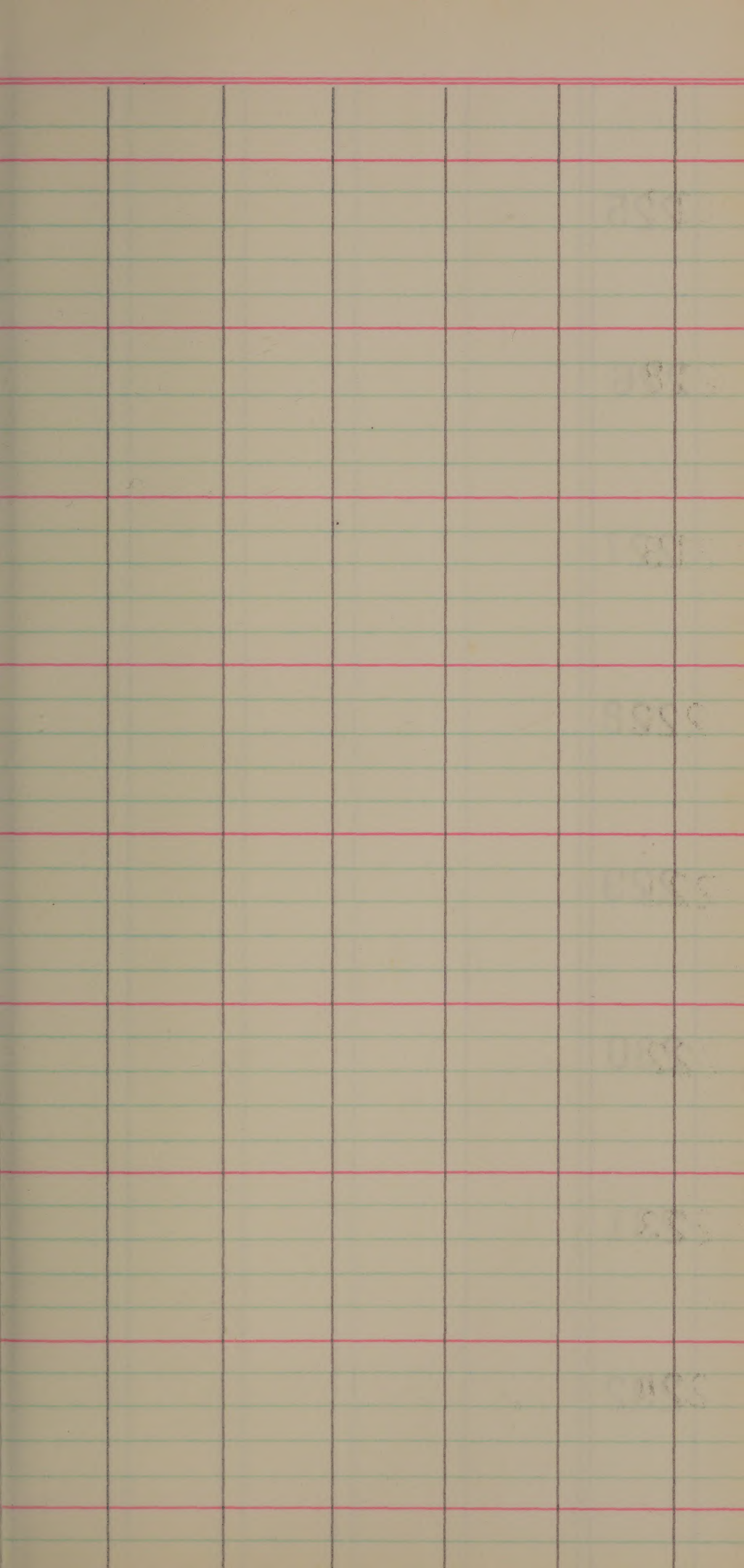
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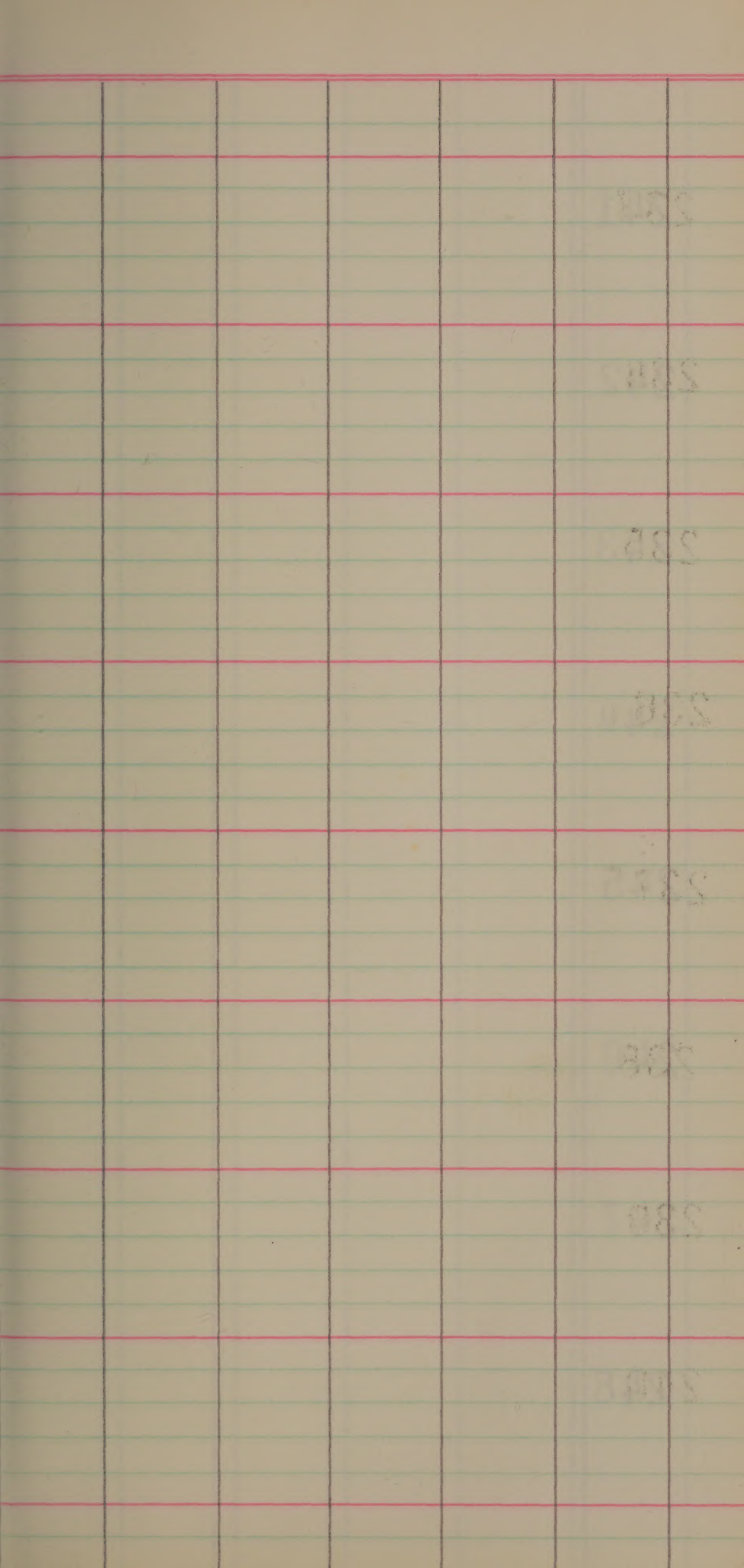
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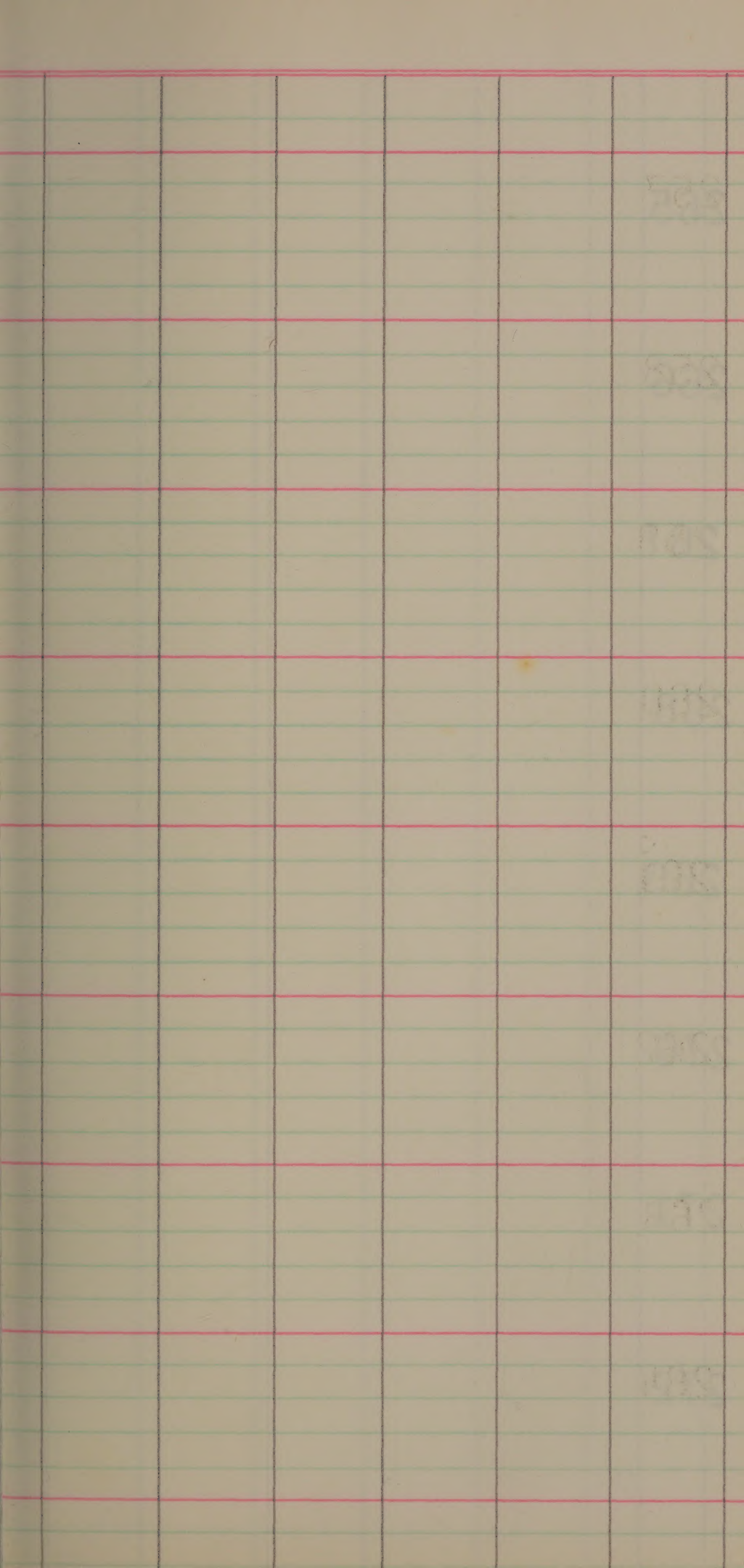
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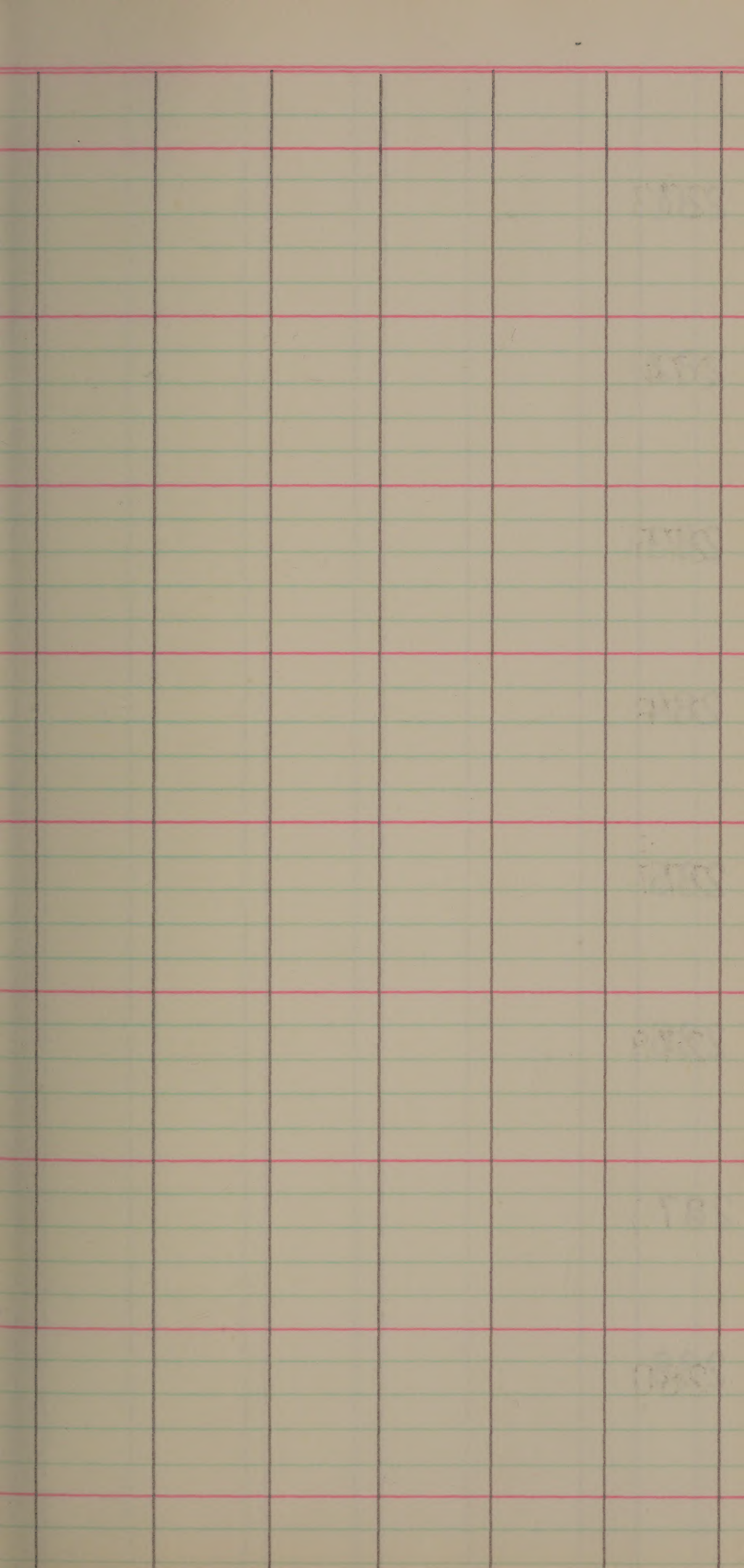
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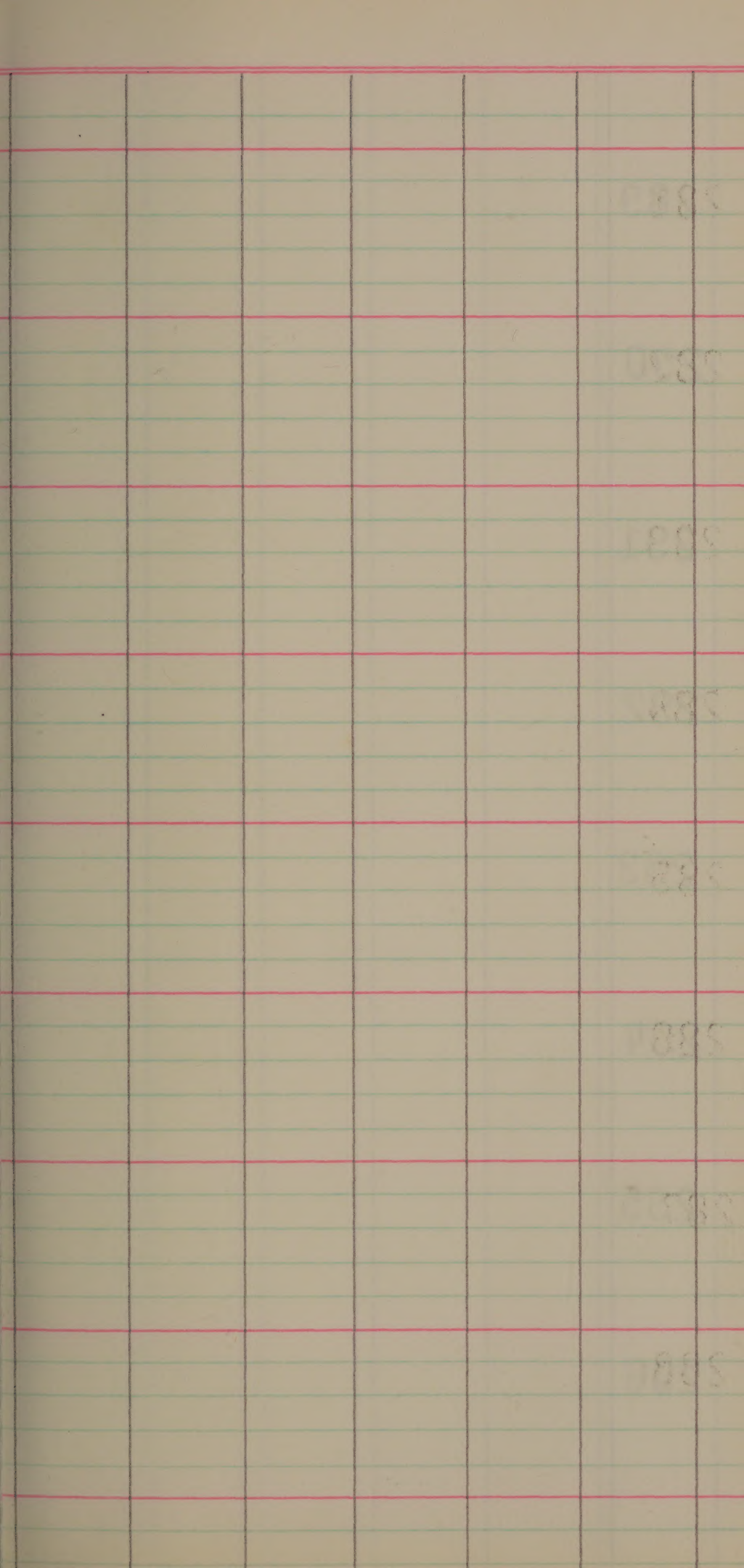
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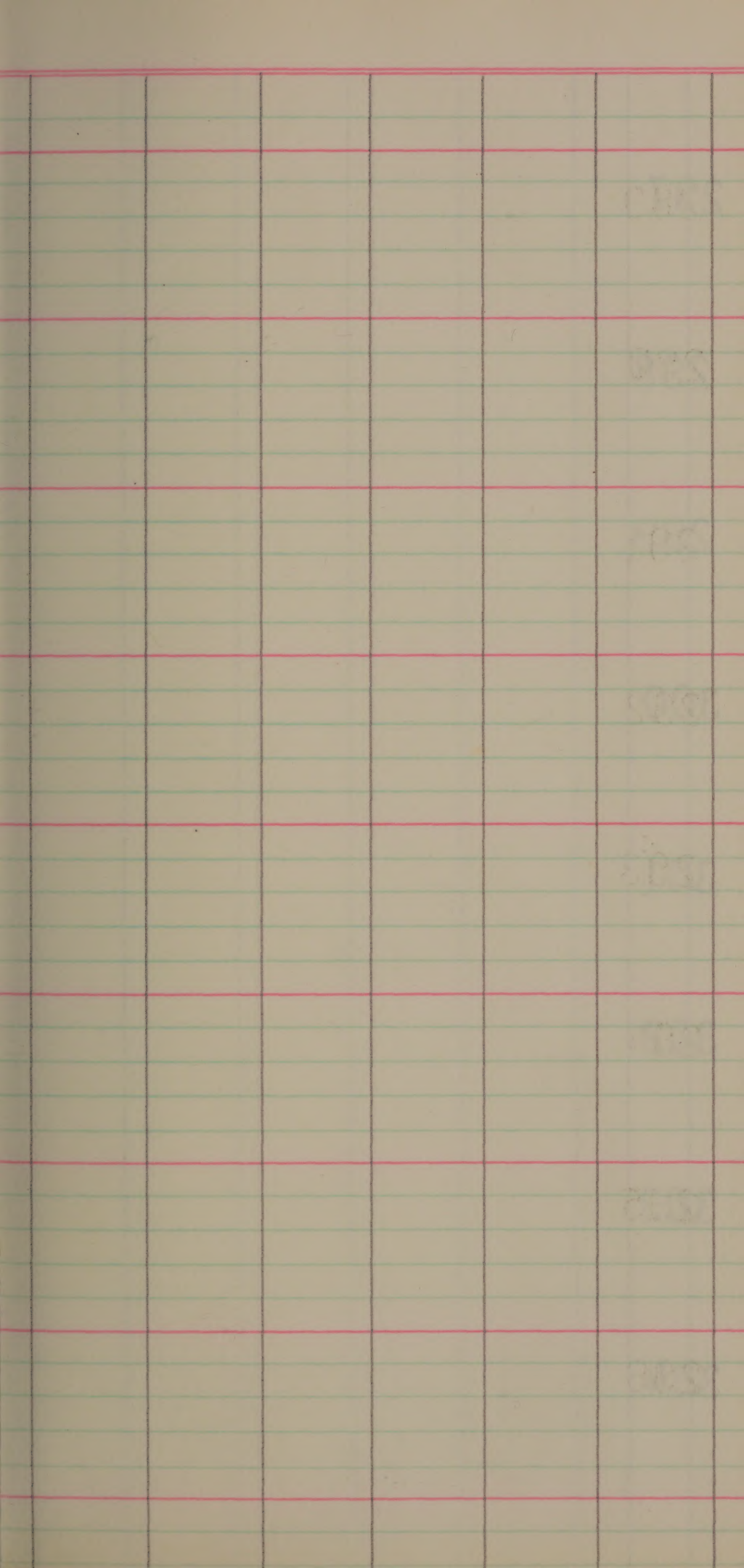
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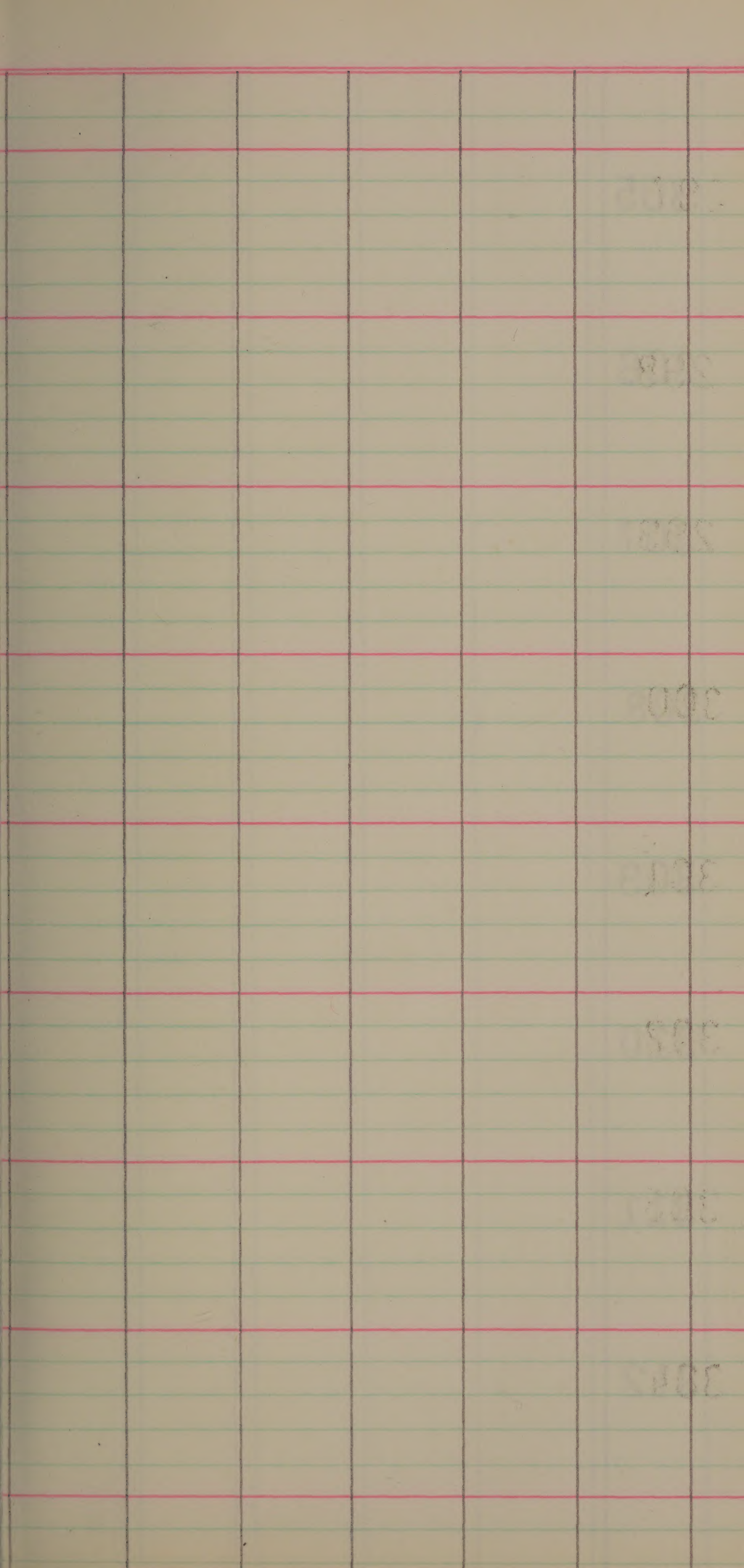
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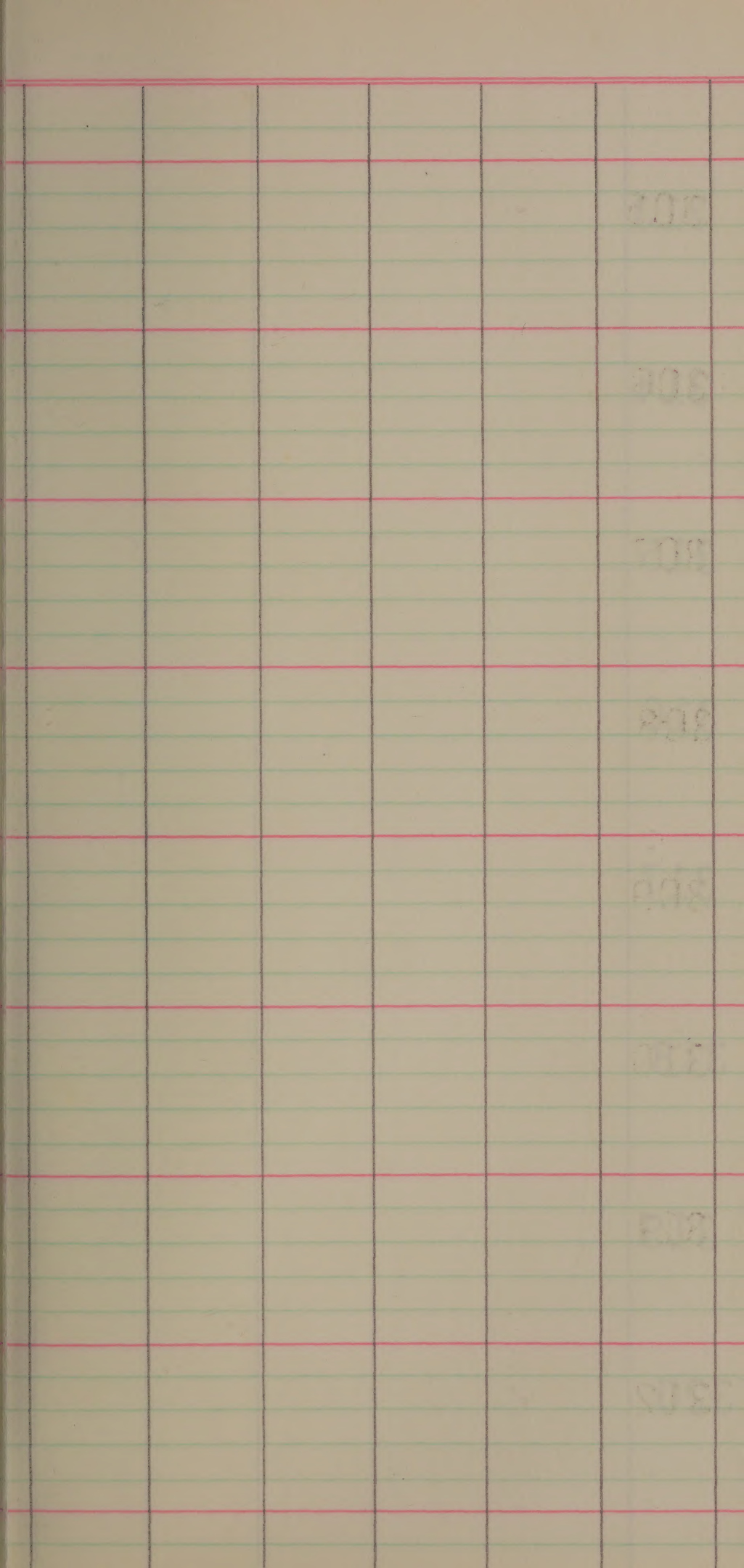
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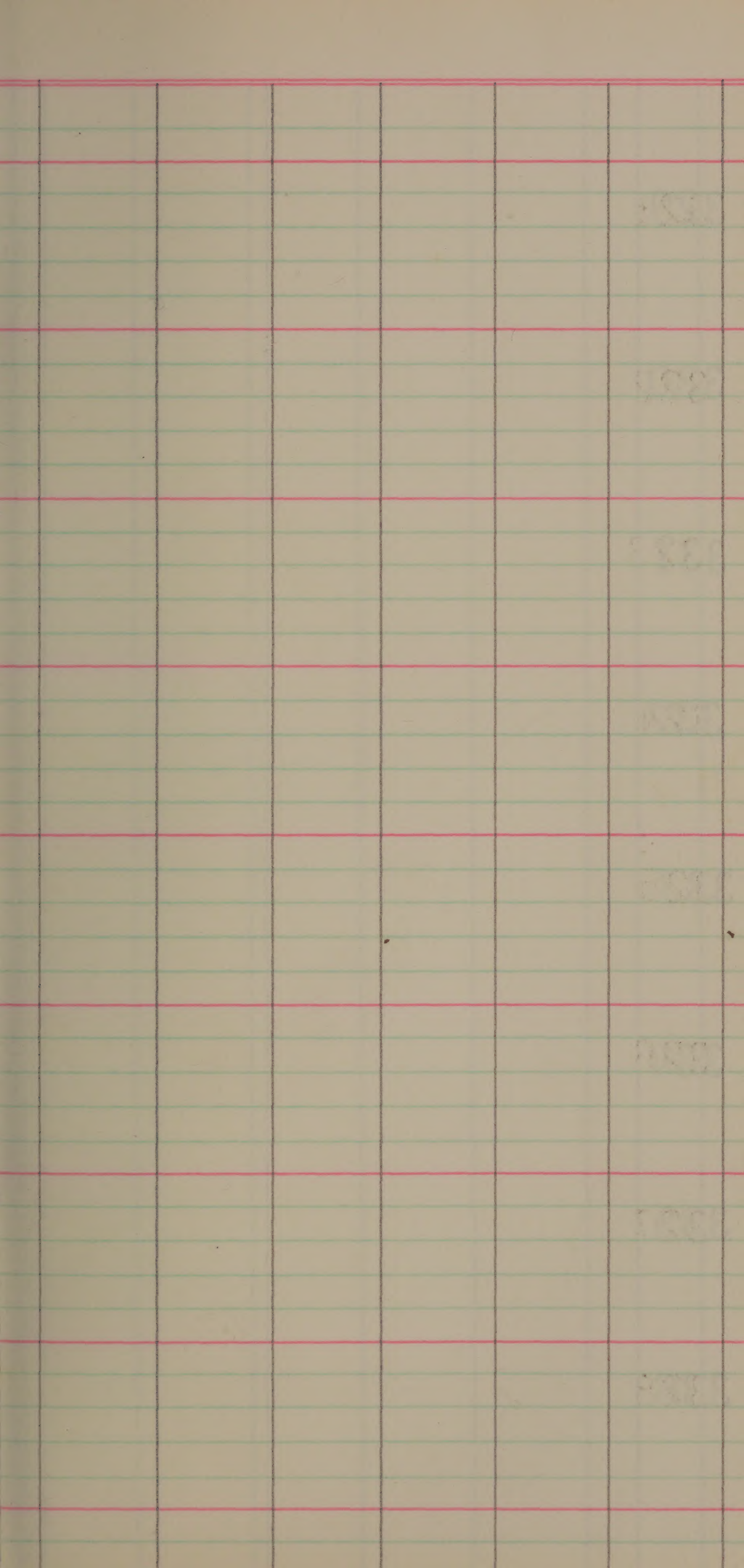
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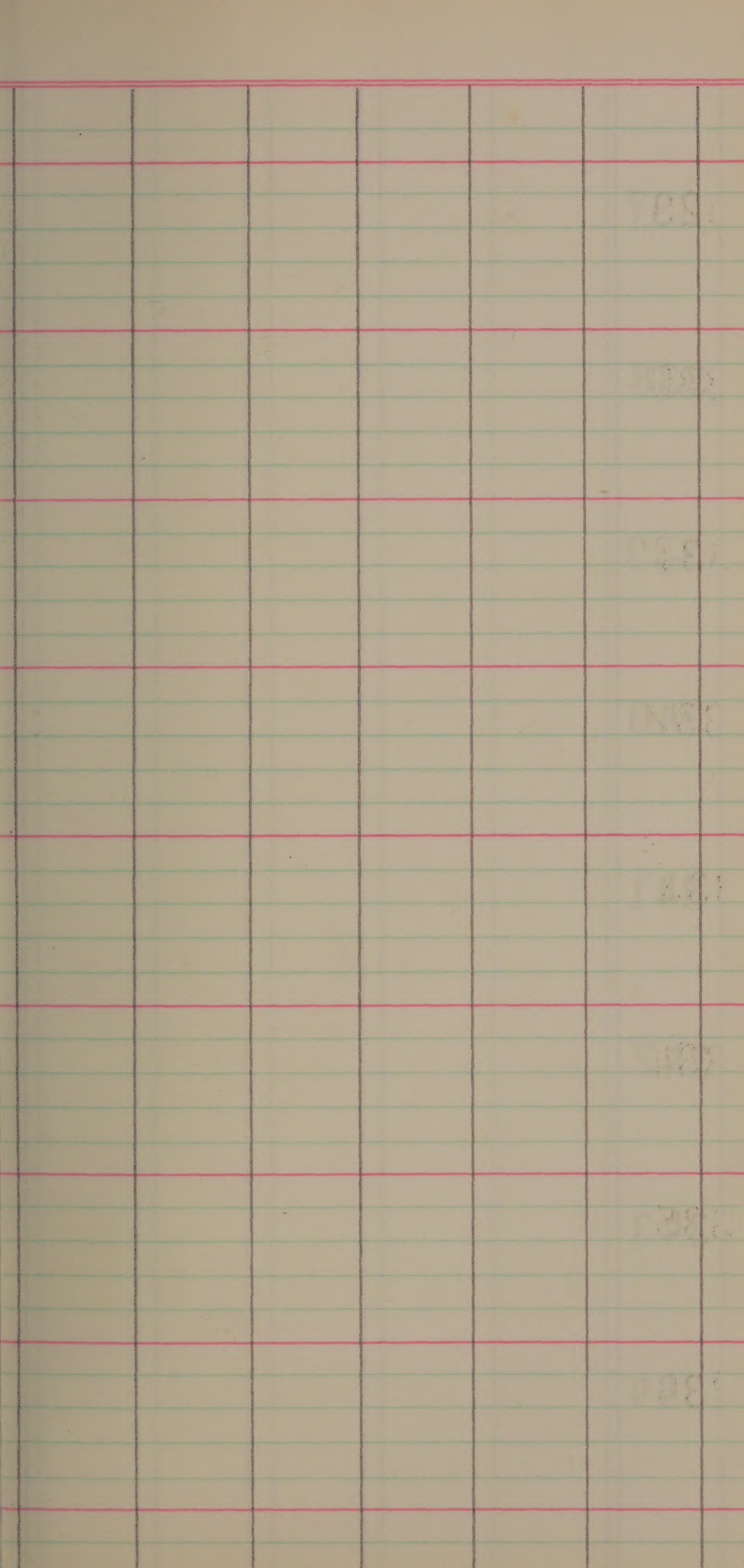
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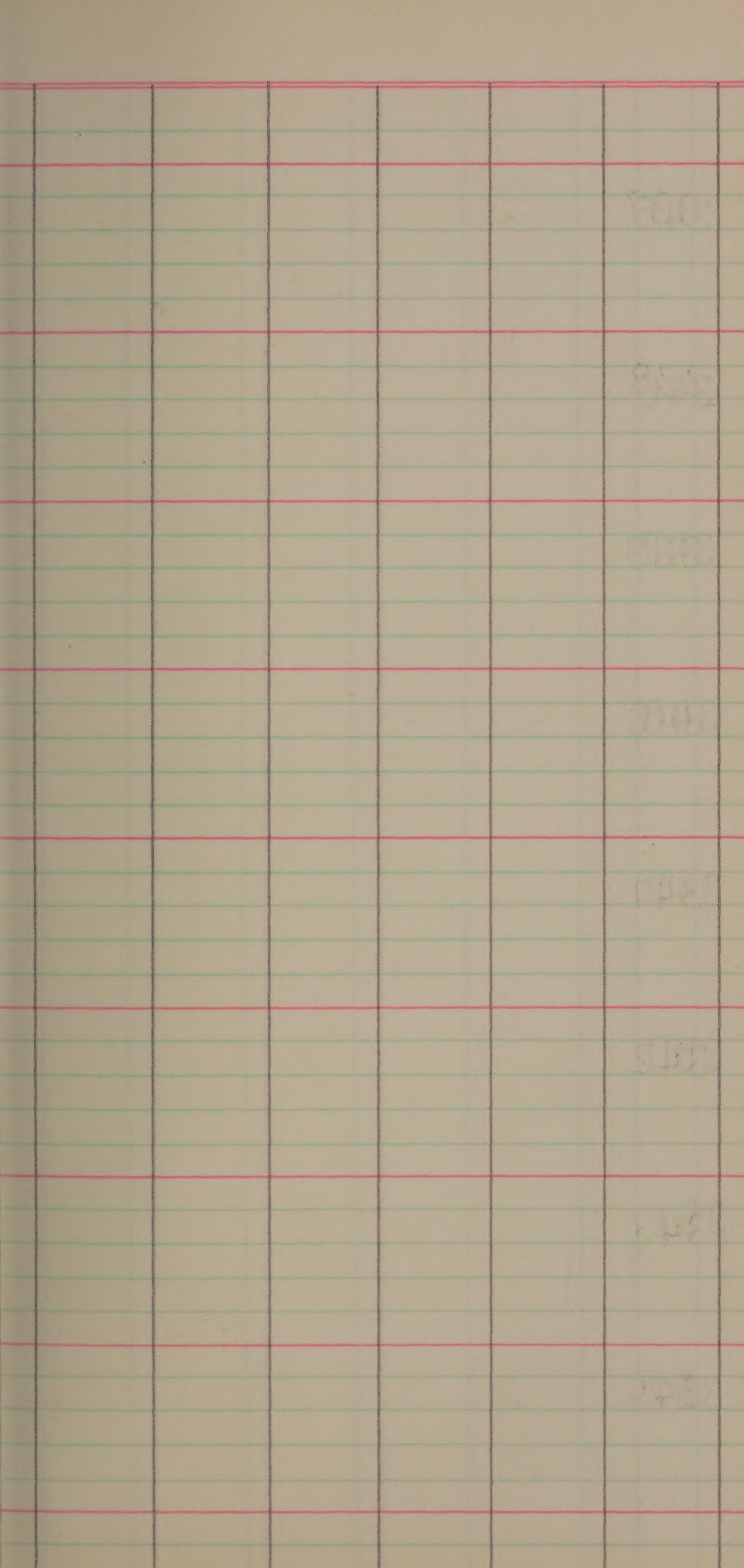
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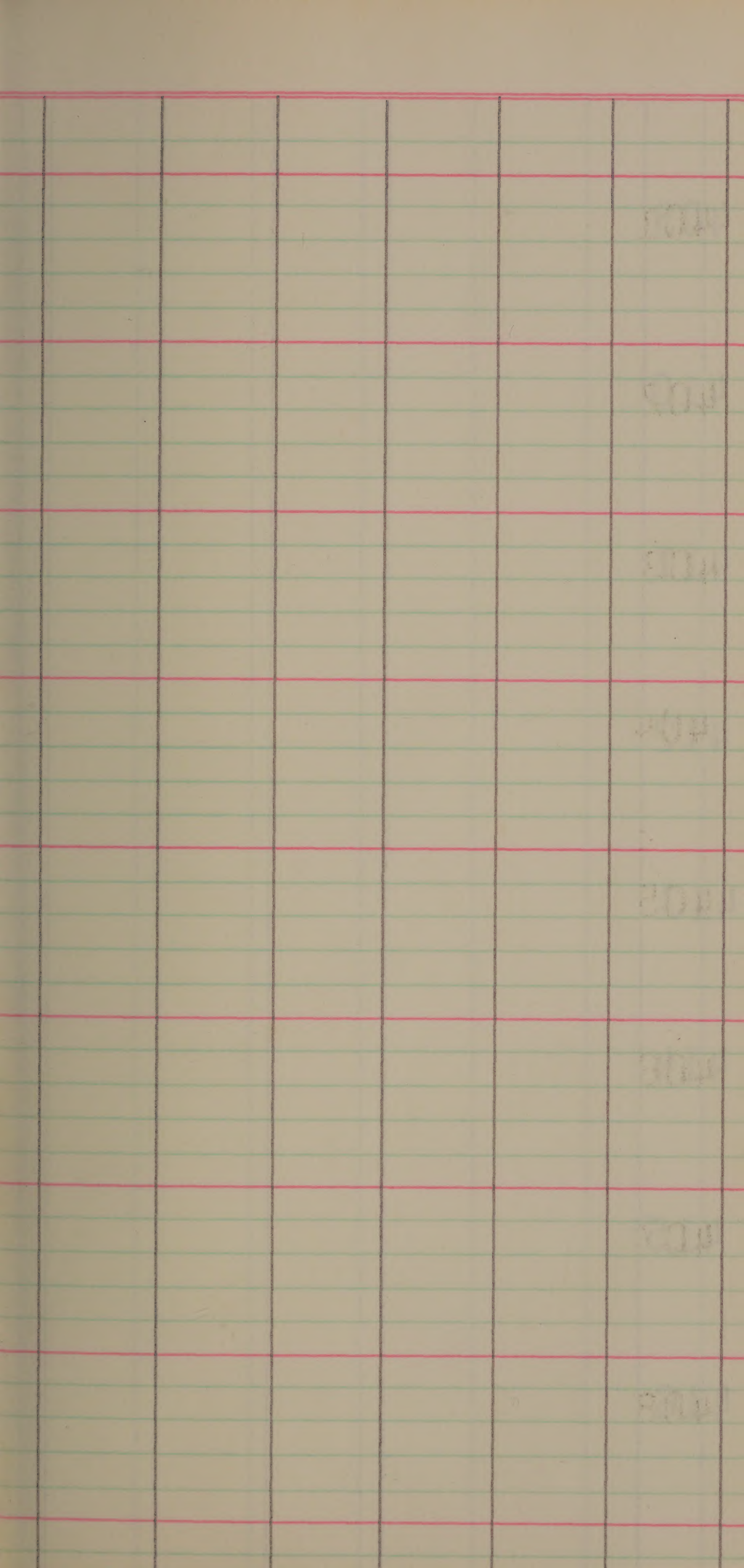
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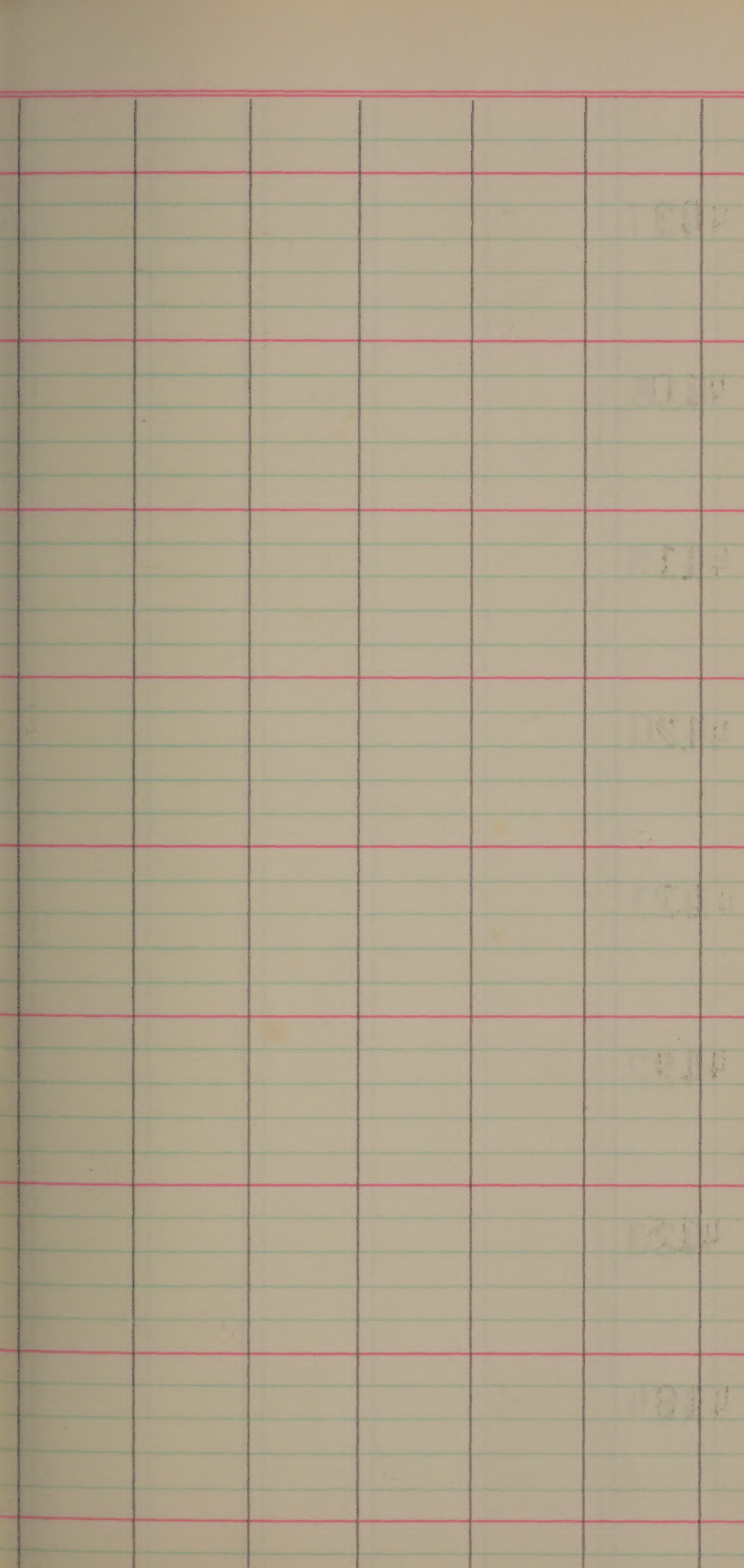
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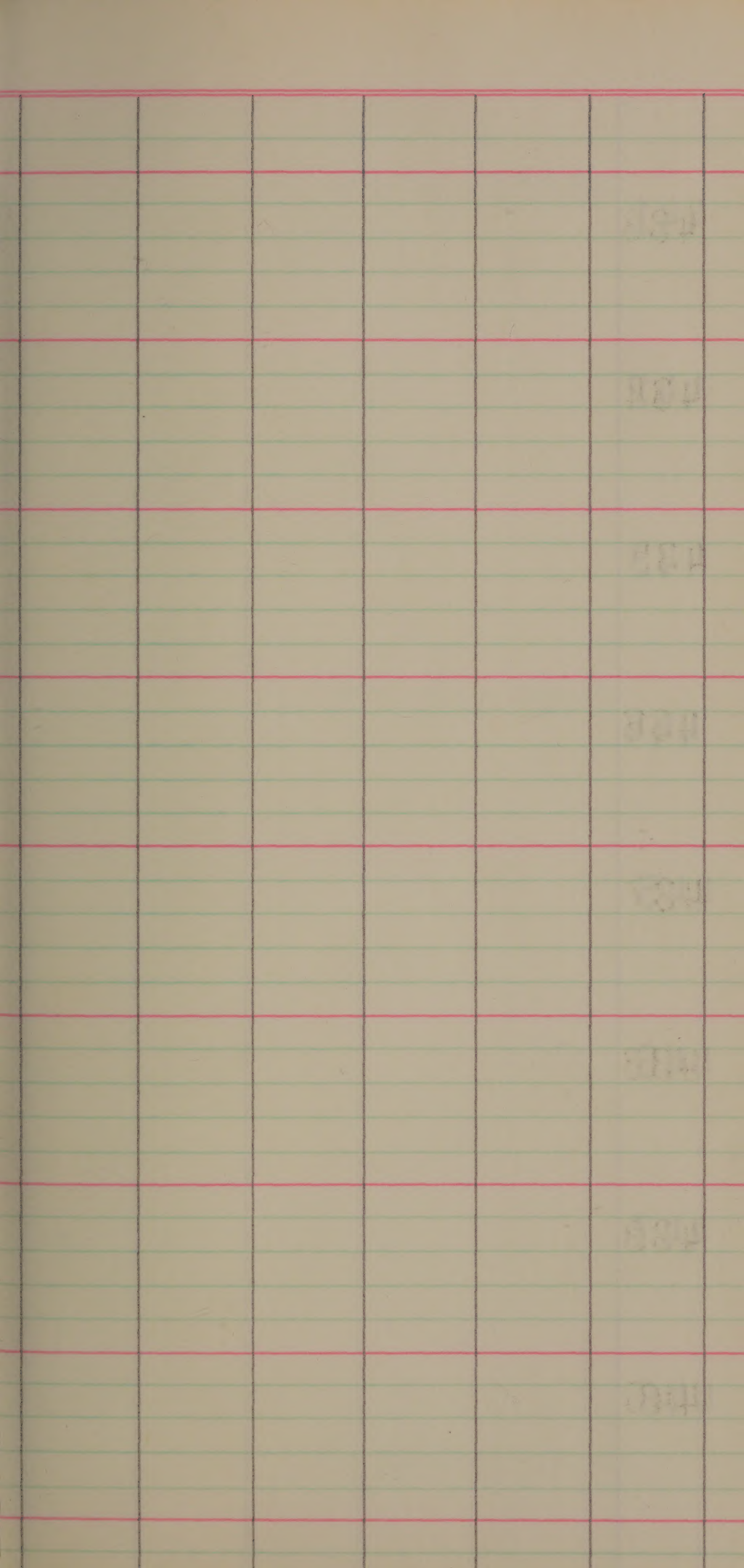
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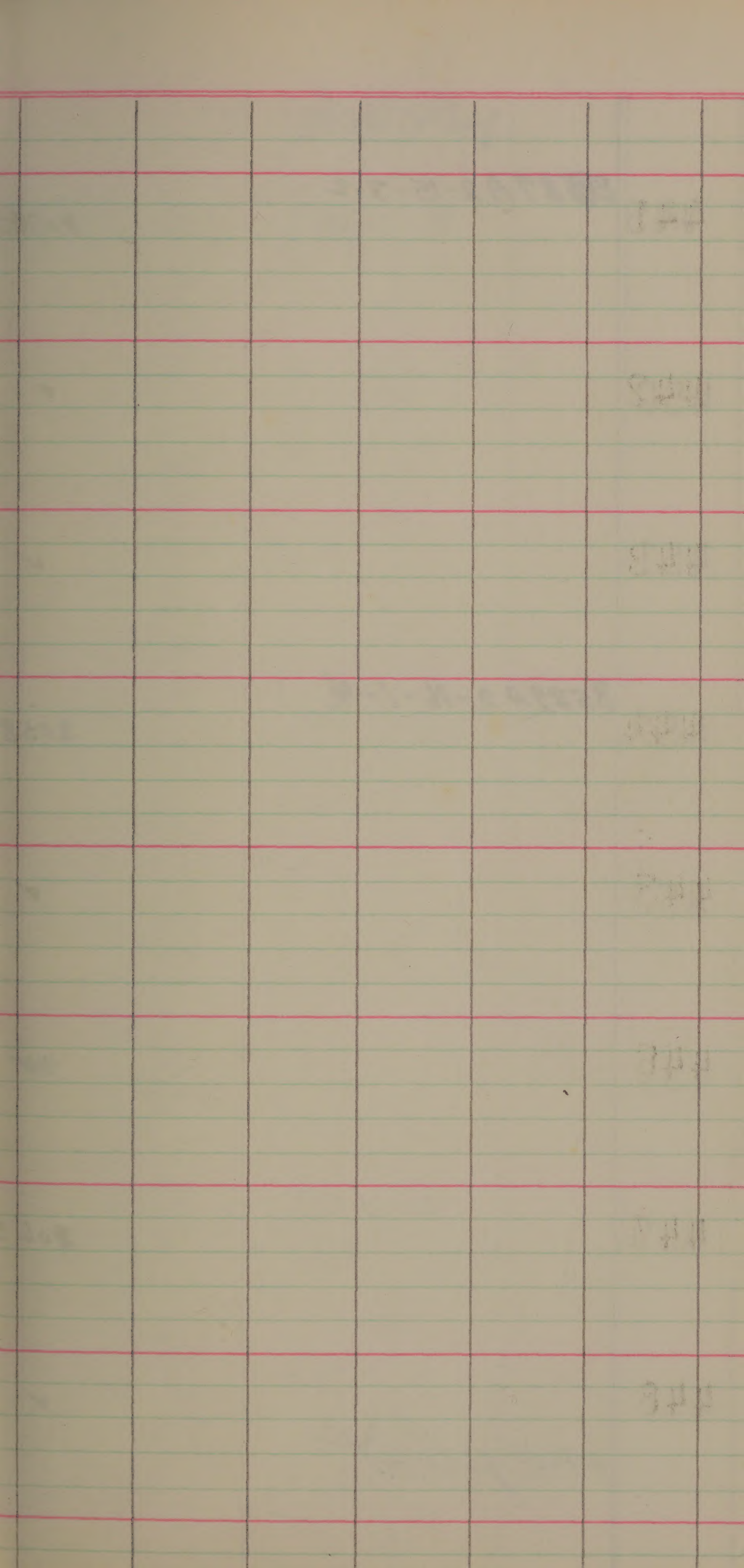
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2nd	HB	Str/Hd	gel Temp
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22	Segr	R?	I
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457

B589A2-16-2-4

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no plants

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A2-24-3-2

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A2-25-4-3

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B589A3-1-1-3

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A3-2-1-2 ✓

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A3-17-1-3

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A3-17-1-3

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A3-24-4-3

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A3-35-3-1

2117

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B589A2-36-1-2

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B589A3-41-4-4

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A3-45-4-4-1

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A3-50-1-2-1

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740 + 50

17

Segr. Segr. I

25.6

505	A3-50-1-2-3	2158
-----	-------------	------

506	A3-55-1-1	2162
-----	-----------	------

507		
-----	--	--

508	1-4	
-----	-----	--

509	1-4	2165
-----	-----	------

510		✓
-----	--	---

511		✓
-----	--	---

512	-2-3	2168
-----	------	------

<u>(17)</u>	<u>69</u>	<u>Segn R</u>	<u>72.0</u>	25.6	740	+50
-------------	-----------	---------------	-------------	------	-----	-----

<u>(12)</u>	<u>72/5</u>	<u>Segn I</u>				
-------------	-------------	---------------	--	--	--	--

<u>(12)</u>	<u>72/5</u>	<u>Segn I</u>				
-------------	-------------	---------------	--	--	--	--

<u>(38)</u>	<u>72/5</u>	<u>Segn</u>	<u>71.3</u>	27.2	680	+90
-------------	-------------	-------------	-------------	------	-----	-----

B589A3-55-2-3

513

2168

514

✓

515

2-4

2169

516

✓

517

✓

518

3-4

2173

519

✓

520

(38)

72/5

Segn

71.3

27.2

680

+90

(38)

72/5

Segn

71.3

27.2

680 +90

(15)

72/5

Segn I

521	B589A3-55-3-4	2173
-----	---------------	------

522	-4-1	2174
-----	------	------

523		✓
-----	--	---

524		✓
-----	--	---

525	-5-1	2178
-----	------	------

526		✓
-----	--	---

527		✓
-----	--	---

528	-5-2	2179
-----	------	------

15 72/5 Segr I

12 72/5 Segr I

27 8 72/5 Segr 72.5 26.0 740 +150

32 8 72/5 Segr 72.5 26.0 740 +150

523

B589A3-55-5-2

2179

530

✓

531

A3-82-1-2-1

2188

532

-2

✓

533

-3

✓

534

-1-3

2193

535

-1-3

✓

536

✓

32(8)

72/S

Seg

72.5

26.0

740 +150

(17)

64/Seg

R

73.0

27.2

740 +80

29(17)

64/S

R

73.0

27.2

740 +80

537

B589A3-82-3-1

2195

538

✓

539

✓

540

-3-2-1

541

2196

542

-2

✓

543

-3

✓

544

-3-3-1

2197

<u>32 (16)</u>	64/5	R	<u>72.8</u>	28.6	660	+80
----------------	------	---	-------------	------	-----	-----

<u>22 (16)</u>	64/sep	R	<u>72.8</u>	28.6	660	+80
----------------	--------	---	-------------	------	-----	-----

<u>26 (16)</u>	64/5	R	<u>72.8</u>	28.6	660	+80
----------------	------	---	-------------	------	-----	-----

545

B589A3-82-3-3-2

2197

546

-3

✓

547

-3-4-1

2198

548

-2

✓

549

-3

✓

550

-4-4-1

2203

551

-2

✓

552

-3

✓

<u>26 (16)</u>	64/S	R	<u>72.8</u>	28.6	660	+80
----------------	------	---	-------------	------	-----	-----

<u>31 (16)</u>	64/S	R	<u>72.8</u>	28.6	660	+80
----------------	------	---	-------------	------	-----	-----

<u>(15)</u>	64/Seg	R	<u>I</u>			
-------------	--------	---	----------	--	--	--

553

B589A3-86-1-4-1

2207

554

-2

✓

555

-3

✓

556

-2-1-1

2209

557

-2

✓

558

-3

✓

559

-3-3-1

2214

560

-2

✓

(15)

36/Seg Seg I

26 (12)

36/S

Segr

70.0

27.2

600 +130

(13)

36/S Segr I

561

B589A3-86-3-3

2214

562

✓

563

-4-1

2216

564

✓

565

✓

566

-4-2

2217

567

✓

568

✓

(12)

36/5

Segu

I

34 (11)

36/5

Segu

72.0

29.4

750 + 280

37 (11)

36/5

Segu

72.0

29.4

750 + 280

563 B589A3-86-4-3

2218

570

✓

571

✓

572

-4-4

2219

573

✓

574

✓

575

-6-2

2226

576

✓

<u>28 (11)</u>	36/S	Segr	<u>72.0</u>	29.4	750 + 280
----------------	------	------	-------------	------	-----------

<u>32 (11)</u>	36/S	Segr	<u>72.0</u>	29.4	750 + 280
----------------	------	------	-------------	------	-----------

<u>(8)</u>	36/S	Segr	<u>69.5</u>	23.2	730 + 190
------------	------	------	-------------	------	-----------

577	B589A3-86-6-2	2226
-----	---------------	------

578	-7-1	2229
-----	------	------

579		✓
-----	--	---

580		✓
-----	--	--------------

581		2229
-----	--	------

582	A4-18-1-1	2233
-----	-----------	------

583		✓
-----	--	---

584		✓
-----	--	---

8 36/S Segr 69.5 23.2 630 + 190

14 36/S Segr 69.5

23 10 71/S R 70.5 29.0 740 + 130

585

B589A4-18-4-2

2247

586

✓

587

✓

588

A4-23-1-1-1

2250

589

-2

✓

590

-3

✓

591

-2-1-1

2251

592

-2

✓

(12) 71/S R I

(52) 90/Seg Seg H/I

(30) 90/S Seg H.P.

593

B589A4-23-2-1-3

2251

594

-2-2-1

2252

595

-2

✓

596

-3

✓

597

-2-4-1

2254

598

-2

✓

599

-3

✓

600

~~2255~~

(30) 90/S Seg H?

(30) 90/Sy Seg H

(30) 90/R Seg H

601

B58974-23-3-1

2255

602

✓

603

✓

604

-3-2-1

2256

605

-2

✓

606

3

✓

607

-4-1-1

2258

608

-2

✓

(28)

90/S

Sey

H & I

(28)

90/R

Sey

I?

(38)

90/R

Sey

I

609

B589A4-23-4-1-3

2258

610

-4-2-1

2259

611

-2

✓

612

→

✓

613

-4-3-1

2261

614

-2

✓

615

→

✓

616

-5-1-→

2263

32 / 90/R Seq H?

32 / 90/Seq Seq I?

30 / 90/R Seq H?

617	B5P9M4-23-5-1-2	2263
-----	-----------------	------

618	3	✓
-----	---	---

619	-5-4-1	2266
-----	--------	------

620	2	ck
-----	---	----

621	-5-4-2	2266
-----	--------	------

622	3	✓
-----	---	---

623	A4-41-T-2-1	2268
-----	-------------	------

624	-2	✓
-----	----	---

(36) / 90 / Sy Sy H?

40^⑨ / 75 / S R I

625

B58974-41-1-2-3

2268

626

-1-3

2269

627

✓

628

✓

629

-2-2

2272

630

✓

631

✓

632

-3-2

2276

32 ⑨ 75/S R I?

15 ⑩ 75/S R I

26 ⑪ 75/S R I

633

B589A4-41-3-2

2276

634

✓

635

-3-3

2277

636

✓

637

✓

638

-4-3

2282

639

✓

640

ck

77 20 75/S R A

24 75/S R I

641

B58917 4-41-4-3

2282

642

-4-4

2283

643

✓

644

✓

645

A4-70-1-2-1

2285

646

-2

✓

647

-3

✓

648

-2-2-1

2287

24 75/S R I

9 71/Sy R I

12 71/R R I

649	BSA 9174-70-2-2-2	2287
-----	-------------------	------

650	-3	✓
-----	----	---

651	A4-82-2-1	2292
-----	-----------	------

652		✓
-----	--	---

653		✓
-----	--	---

654	-4-1	2296
-----	------	------

655		✓
-----	--	---

656		✓
-----	--	---

62 92/ Sig H

76 92/ Sig H

657

B589H4-82-4-3

2298

658

✓

659

✓

660

ck

661

-5-2

2302

662

✓

663

✓

664

A4-89-2-2

2308

76

92/

Sag

H

66

92/

Sag

H

50

81/

R

H

665

B5F9A4-89-2-2

2308

666

✓

667

-3-1-1

2310

668

-2

✓

669

-3

✓

670

-3-3-1

2312

671

-2

✓

672

-3

✓

26 / S1 Bay R I

26 / S1 Bay R I

673

B589H4-89-4-2-1

2314

674

-2

✓

675

-3

✓

676

-5-4-1

2321

677

-2

✓

678

-3

✓

679

A9-1-2-1-1

2322

680

~~00~~

ek

15 81/Sg R I

16 81/R R I

23 77/R Sey I+H

681

B589179-1-2-1-2

2322

682

7

✓

683

-2-4-1

2325

684

-2

✓

685

3

✓

686

-3-1-1

2326

687

-2

✓

688

3

✓

(23) / 77/R Seq I&H

(28) / 77/R Seq I&H

688

B589A9-1-5-2-1

2331

690

-2

✓

691

-3

✓

692

5-3-1

2332

693

-2

✓

694

-3

✓

695

A9-2-3-1-1

2334

696

-2

✓

40

77/R Seg

H&I

40

77/R

Seg

H&I

40

91/

R

H&I

697	B5#9A9-2-3-1-3	2334
698	5-1	2338
699		✓
700		ck
701		2338
702	5-4	2342
703		✓
704		✓

(22)

9/15

R

I

(22)

9/15

R

I

705

B589A9-6-1-3

2345

706

✓

707

✓

708

3-3

2349

709

✓

710

✓

711

6-2

2352

712

✓

82

63/

Sag

H

83

63/

Sag

H

84

63/

Sag

H

713	B589A9-6-6-2			2352
714		6-4		2354
715				✓
716				✓
717	A9-11-2-2-1			2356
718			-2	✓
719			-3	✓
720				ck

84 63/ Sy H

86 86/ Sy R H

721

4-1 -1

2359

722

-2

✓

723

-3

✓

724

4-2

2361

725

✓

726

✓

727

4-3-1

2362

728

-2

✓

48 (25) 86/Sy R I

47 (25) 86/S R I

45 (25) 86/Sy R I

729

4-3-3

2362

730

4-4-1

2363

731

-2

✓

732

-3

✓

733

A9-12-5-2

2365

734

✓

735

✓

736

A9-20-1-2-1

2369

44(25)

86/Sy

R

I

80

79/

Sy

H

86

70/Sy

Sy

I

737

1-2-2

2369

738

→3

✓

739

2-2

2373

740

ck

741

2373

742

✓

743

2-3

2374

744

✓

67 70/ Say H

67 70/ Say H

745

2-3

2374

746

3-1

2376

747

✓

748

✓

749

3-2-1

2377

750

2

✓

751

3

✓

752

3-3

2378

26 (17) 70/S S-g I

(17) 70/Sg S-g I

30 (17) 70/S S-g I

753

3-3

2378

754

✓

755

3-4

2379

756

✓

757

✓

758

5-2

2386

759

✓

760

ck

33 12 70/5 Say I

13 70/5 Say I

761

5-2

2386

762

179-28-1-1

2389

763

✓

764

✓

765

1-4

2392

766

✓

767

✓

768

2-1

2393

(15) S2/S R I

(15) S2/S R I

(20) S2/S R I

769

2-1

2393

770

✓

771

3-1

2395

772

✓

773

✓

774

3-2-1

2396

775

-2

✓

776

-3

✓

44 82/5 R H+E

44 82/5 R H+E

777

3-3 -1

2397

778

-2

✓

779

-3

✓

780

ck

781

3-4

2398

782

✓

783

✓

784

179-29-1-1

2399

44

82/5y R

HYI

44

82/5 R

HYI

22

90/5y Say

I

785

1-1

2399

786

✓

787

1-2

2401

788

✓

789

✓

790

3-2

2405

791

✓

792

✓

(22) 90/Sy Sy I

(16) 90/S Sy I

793

3-3-1

2406

794

-2

✓

no plants

795

-3

✓

796

3-4

2407

797

✓

798

✓

799

4-1-1

2408

800

ck

16

90/R

Say

I

16

90/S

Say

I

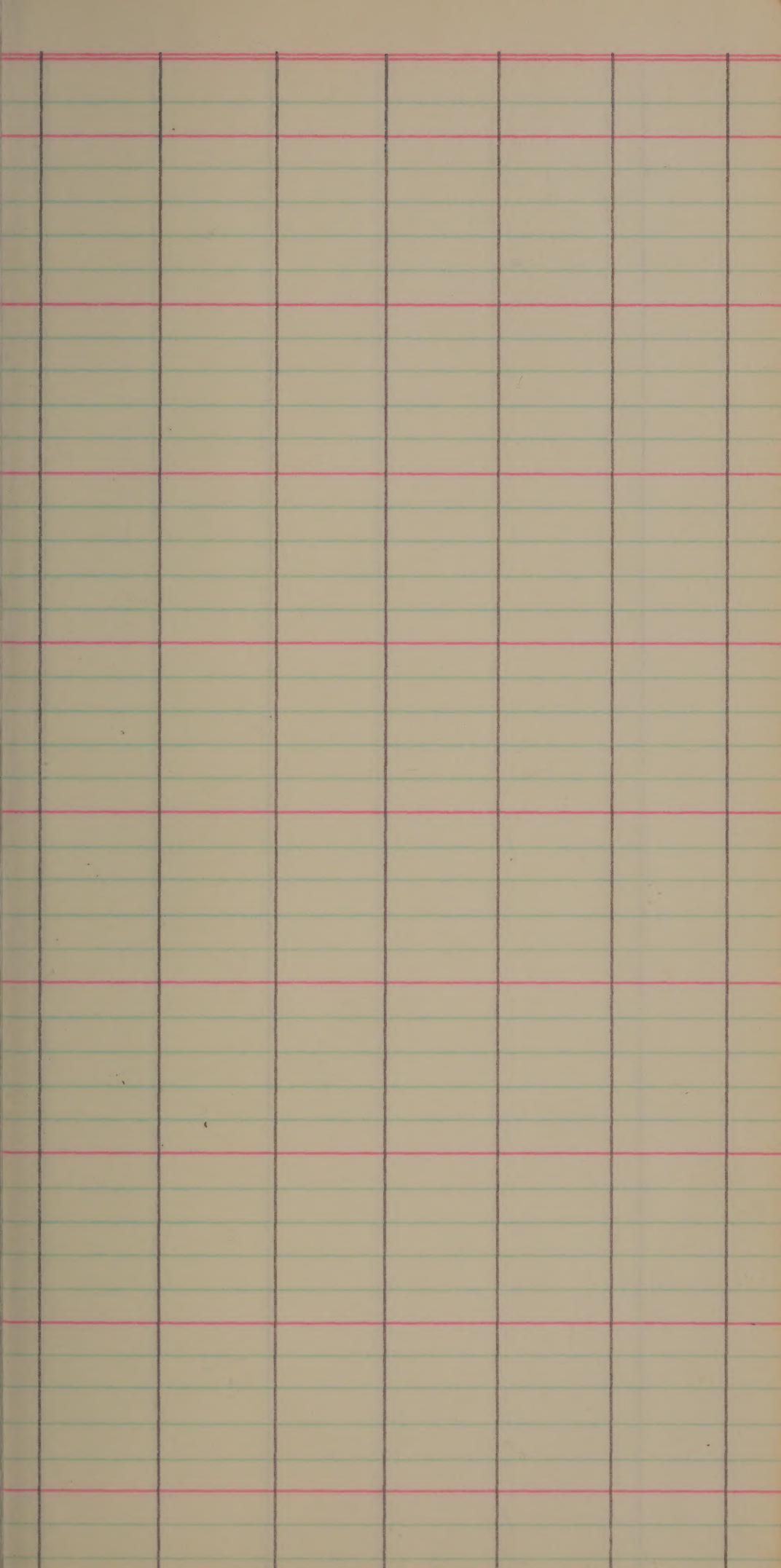
17

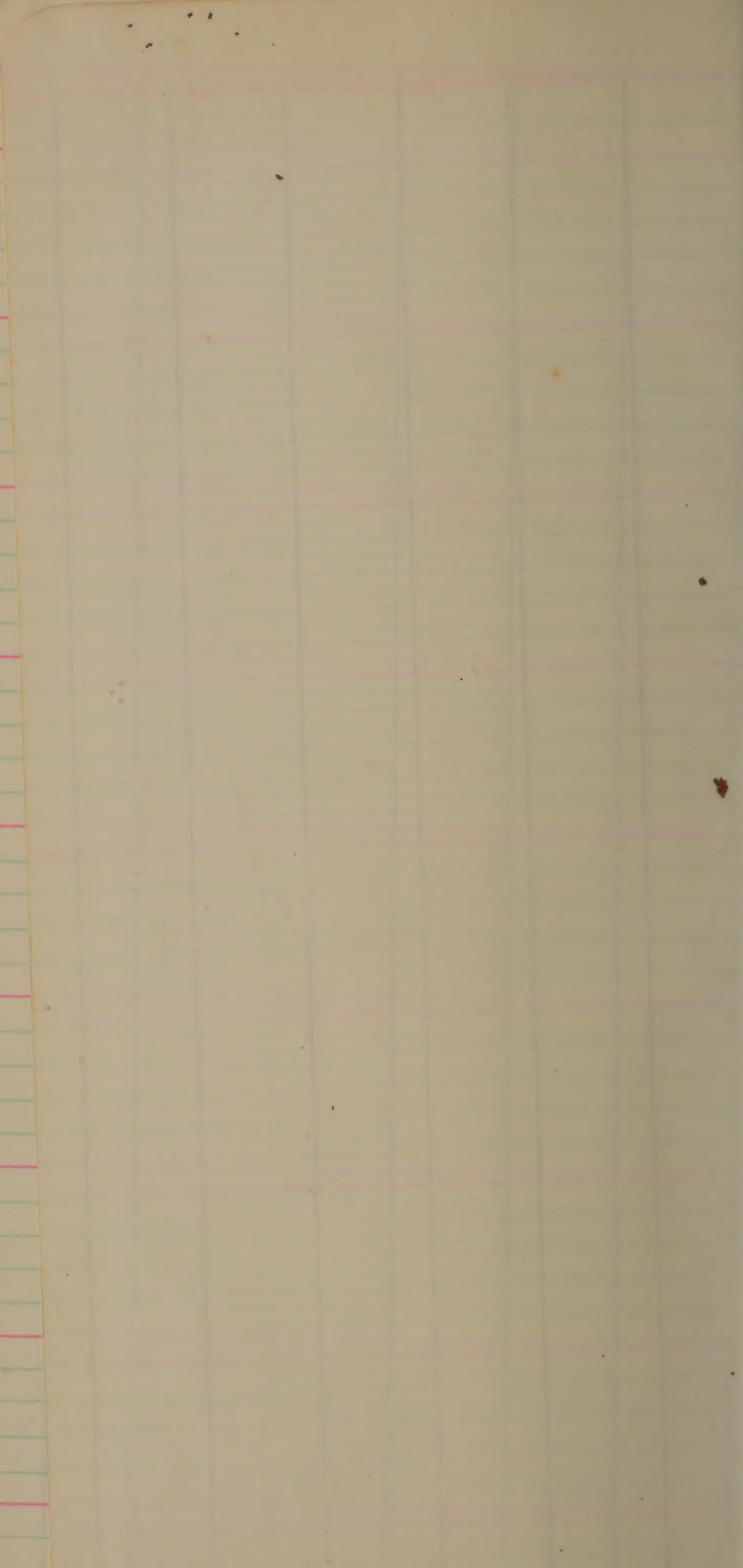
90/R

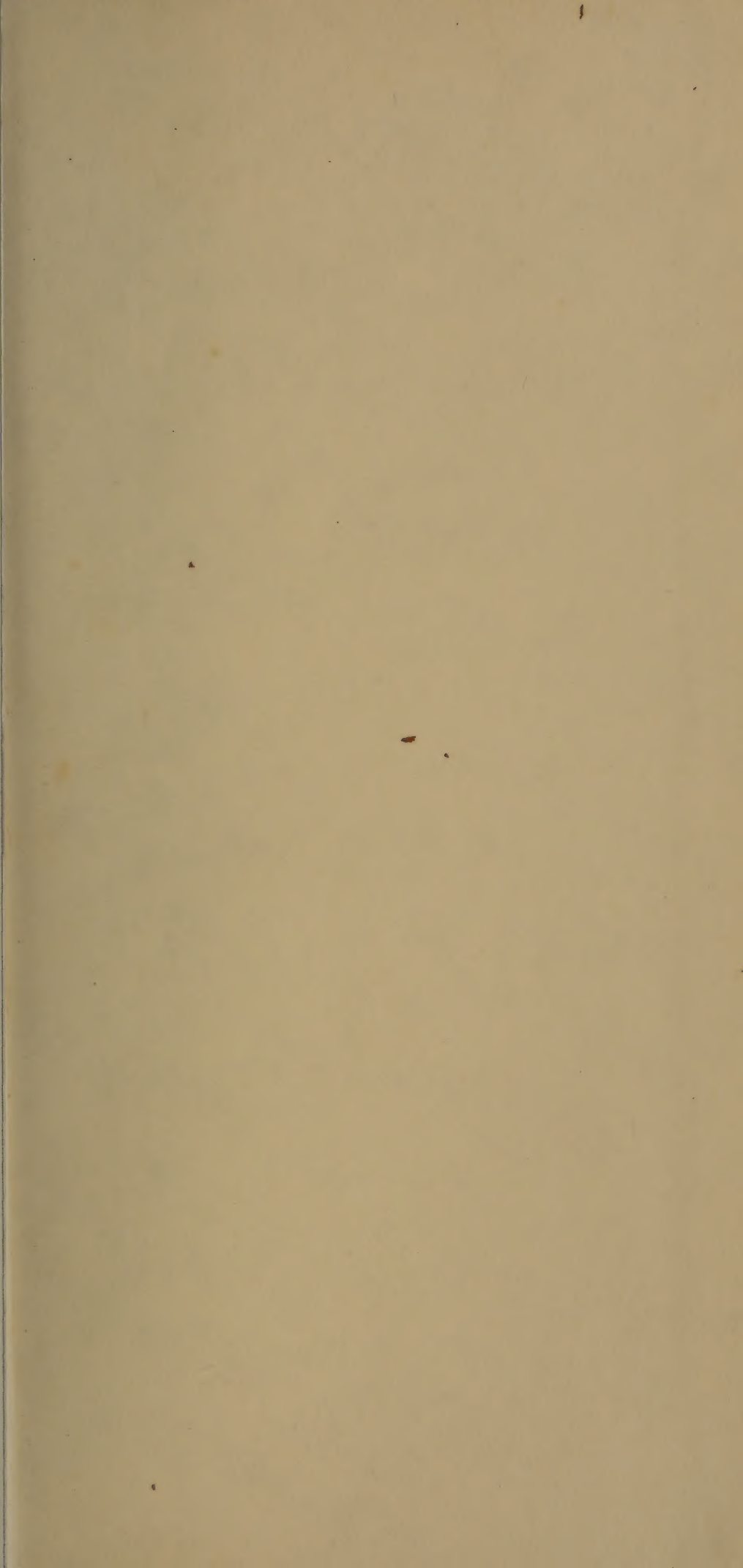
Say

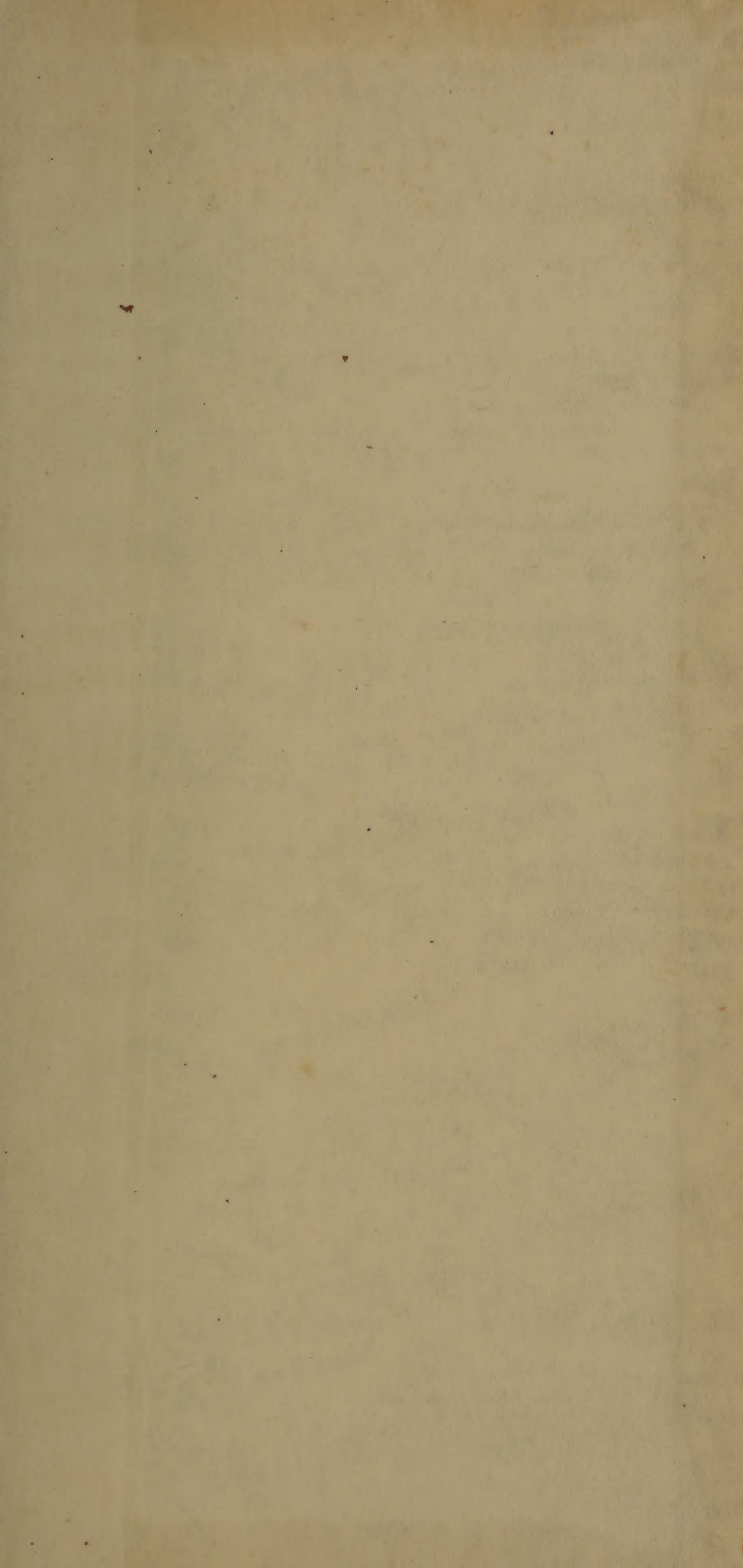
I

80406









CR-6A
CR-6A
(Apr. 1962)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
Crops Research Division

FIELD NOTEBOOK
AGRONOMIC NOTES

If found, please tie securely and return to

(Employee's Name)

(Street Address)

(City and State)

SCALE FOR ESTIMATING RUST

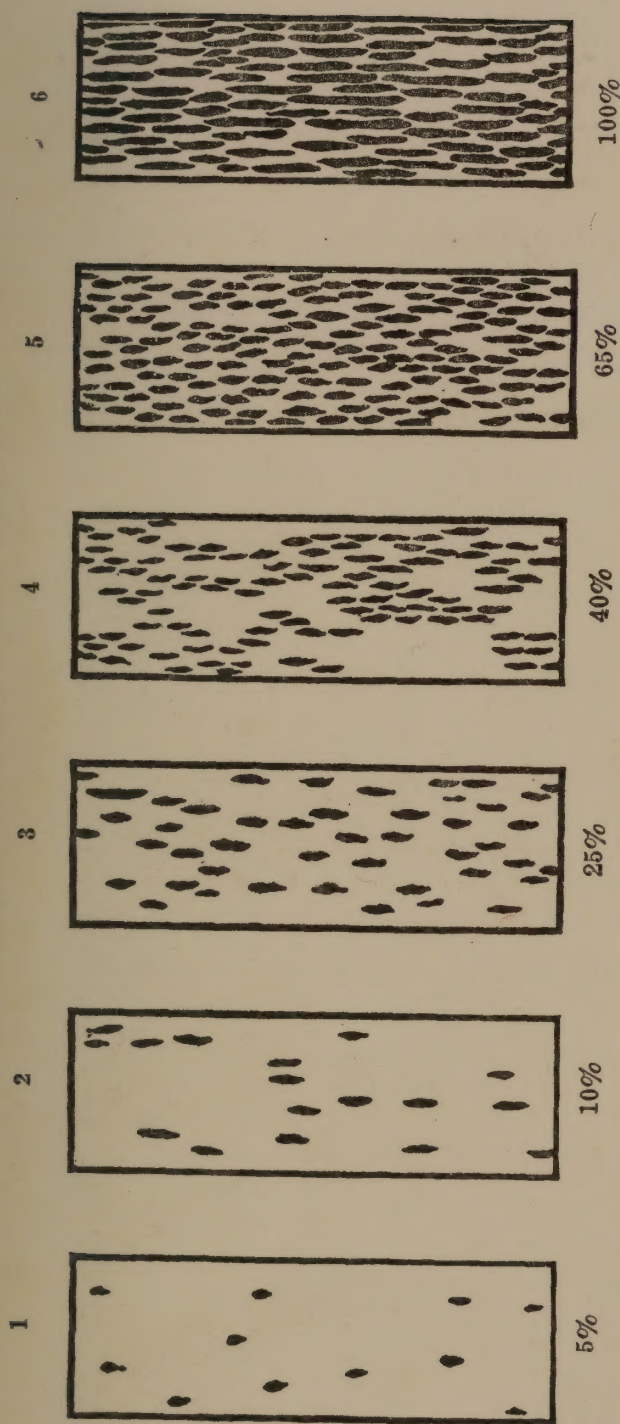


Diagram showing six degrees of rustiness, which may be used in estimating the percentage of rust infection on leaf or stem. The shaded spots represent rust, and the figures represent approximately the rust percentages computed on the basis of the maximum amount of surface covered by rust as shown in the 100% figure. This figure (No. 6 in the diagram) represents 37% of actual surface and is arbitrarily selected as 100%. Other percentages are in terms of No. 6.

This scale is easy of application. A number of leaves are gathered from the row or plot at random, and a number of plants carefully examined for stem rust; these are compared with the diagrams and the proper figures recorded in the notebook. The plus or minus sign may be used to indicate a slightly greater or less amount of rust than the nearest figure.

While these figures may not express accurately the actual surface of host tissue rusted, they do provide a usable systematic method for recording rust infection, and will more intelligibly represent the facts than will figures showing resistance percentages or infection percentages on the 50% (maximum) basis.

3001

Bluebelle

3/21

114

B681A2-4

3002

[(Bbl x (Belle Patna x Down))] x IR-8

6922

St. head

3/19

F5

3003

all hairy?
durf

3/18

6937

3004

all hairy
durf

3/16

6961

3005

smooth

3/8

6974

3006

durf?
smooth

3/7

6977

lyfts

3007

durf
seg. hairy
st. head

3/15

6979

lyfts

3008

normal?
smooth

3/17

6985

lyfts

7007			3/16	smooth	3009
F5			lgt		
7012			3/18		3010
			ngts		
7016	surf smooth		3/3	uniform	3011
			good ngts		
7018	surf	smooth	3/8		3012
			good ngts		
7022	surf		3/15		3013
			ngts		
7028	surf	smooth	3/15		3014
			2-ngts		
7034	surf	smooth	3/5		3015
			2-ngts ngts		
7037	surf	smooth	3/12		3016
			ngts		

3017				7040	
				F5	
3018	leaf; smooth	3/6 2-nyts nyts		7043	
3019	leaf; smooth	3/17 nyts		7046	
3020				7049	
3021	leaf?; smooth	3/5? nyts		7052	
3022	leaf; smooth	3/7 nyts		7062	
3023	leaf; smooth	3/15 nyts 2-nyts		7063	
3024	round & leaf	3/14 lyts		7065	

7068	normal; smooth rolled leaves	3/8	good lfts	3025
F ₅				
7069	normal; smooth	3/8	good lfts	3026
7074	dwarf; seg. hairy	3/14	l-mfts	3027
7080	dwarf? smooth	3/15	l-mfts	3028
7085	normal; smooth	3/12	lfts; l-mfts	3029
7088	dwarf smooth	3/19	l-mfts	3030
7091	normal & dwarf smooth	3/15	l-mfts	3031
7097	dwarf? smooth	3/21	l-mfts	3032

3033

normal & deaf?
smooth

3/19

l-rgts

7102

3034

deaf; smooth

7105

3035

deaf; smooth

3/19

small lfts

7106

3036

normal?; smooth

3/18

lfts

7108

3037

normal & deaf?
smooth

3/18

l-rgts

7110

3038

normal; smooth

3/15

lfts

7115

3039

deaf? smooth

3/17

l-rgts

7120

3040

normal & deaf
smooth

3/17

rgts

7129

7135

normal & deep
smooth

3/20

lgt

3041

7136

deep

3042

7142

normal & deep?
smooth

3/14T

lgt

3043

7143

deep

smooth

3044

7146

smooth

deep

only 2 plants

3045

7147

↑

3046

7151

to
long
in

3047

7152

distance
to

3048

↓

3049

no plants

7165

3050

only 2 plants

3/15

7176

lfts

leaf?
smooth

3051

normal?; smooth

3/16

7184

2-nyts
nyts

3052

normal; smooth

3/15

7303

lfts

3053

3/15

7307

3054

3/2

7310

3055

3/4

7339

7339

3056

3/15

7355

$3/8$

3057

 $3/14$

3058

 $3/11$

3059

 $3/15$

3060

 $3/15$

3061

 $3/15$

3062

 $3/15$

3063

 $3/5$

3064

3065

3/18

3066

3/16

3067

3/16

3068

3069

3/15

3070

3/15

3071

3/15

3072

3/15

3/19

3073

3/16

3074

3/15

3075

3/17

3076

3/15

3077

3/16

3078

3/16

3079

3/19

3080

3081

3082

3083

3084

3085

3086

3087

3088



↑
some trees
plot in some trees
study only 1 plot in some trees
study part
study part

3/18

3/18T



Poor stand and very deep water in plots 3081
through 3101; some dunks almost covered; **6**
row identity difficult because of poor stand and deep
water;

3/17

3089

only 1 plant

3/20

3090

3/16

3091

3/20

3092

3093

3/15

3094

3/20

3095

3096

3097

no plants

3098

3/18

3099

3100

3/18

3101

only 1 plant

3102

3103

3104

3/16

3105

3106

3107

3108

3109

only 1 plant

3110

no plants

3111

3112

Rows 3111 through 3120
stand and are in very deep water; no useful
notes possible;

3113				
3114				
3115				
3116				
3117				
3118				
3119				
3120				

						3121
						3122
						3123
						3124
						3125
						3126
						3127
						3128

3129					
				F5	
3130					
3131					
3132					
3133					
3134				F5	
3135				F4	
3136				F4	

F₄

3/15

3137

3138

3/18

3139

3/16

3140

3/18

3141

3142

3143

3144

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3/6

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 $3/15$

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 $3/16$

3159

 $3/12$

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3161

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3168

(Belle Patna x Dawn) x IR-8
7789

3/14

3/19

3169

3/15

3170

3/17

3171

3172

only 3 or 4 plants

3173

3174

only 1 plant

3/19

3175

3/2

3176

3177	3/20			
3178	3/17			
3179	3/8			
3180	3/18			
3181				
3182	3/15			
3183	3/16			
3184	3/7			

$3/6$

3185

 $3/9$

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 $3/15$

3190

 $3/8$

3191

3192

3193

3/16

3194

3195

3/12

3196

3/18

3197

3198

3/13

3199

3/6

3200

3/11

3201

3202

 $3/6$

3203

 $3/6$

3204

 $3/5$

3205

 $3/13$

3206

 $3/14$

3207

 $3/6$

3208

3209

3210

3/16

3211

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3/15

3239

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3241

3/7

3242

3/5

3243

(Belle Patna x Dawn) x IR-160

7962

3/16

3244

3245

3246

3247

3/17

3248

3/5

3/18

3249

3250

3/16

3251

3/19

3252

3253

3254

3/10

3255

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3256

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3/15

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3260

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3262

3/19

3263

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3264

[(Bbl x Dawn) x (BP x Dawn)]

x (Bbt 50/2 x Jodotla) 8018

3/9

3/16

3265

3266

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3268

3/16

3269

3270

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3272

3273

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3274

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 $3/7$

3283

 $3/6$

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3285

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3286

 $3/5$

3287

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3289

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3295

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$3/15$

3297

 $3/5$

3298

 $3/20$

3299

 $3/14$

3300

 $3/16$

3301

 $3/16$

3302

 $3/15$

3303

3304

3305

no plants

3306

3/15

3307

3/15

3308

3309

3/20

3310

3/9

3311

3/17

3312

3313

3314

3315

no plants

3316

3317

3/5

3318

3/12

3319

3/20

3320

3/20

3321

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3323

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3399

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3401

3/7

3402

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3403

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3404

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3406

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3408

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3/8

7/15

3/14

3425

7/15

3/6

3426

7/15

3/14

3427

3/15

3428

7/15

3429

Saturn x IR-8

3/15

3430

7/15

3431

7/15

3/7

3432

3433

3/15

3434

3/17

3435

3/6

3436

3437

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Plots 3446 through 3509 are all
dwarfs, as expected (both parents of the
cross were dwarfs).

28

3/16

3441

3/14

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3443

3/6

3444

3445

(TNI x C.I. 9545) x IR-8

8456

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3501

3502

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3506

3507

3508

3509

(C.I. 9545 x Nova) x IR-8

8585

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3539

3540

3541

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3543

IR-8

759

3544

3545

IR-20

758

3546

IR-22

761

3547

Dawn

25

3548

C.I. 9708

3/18

103

3549

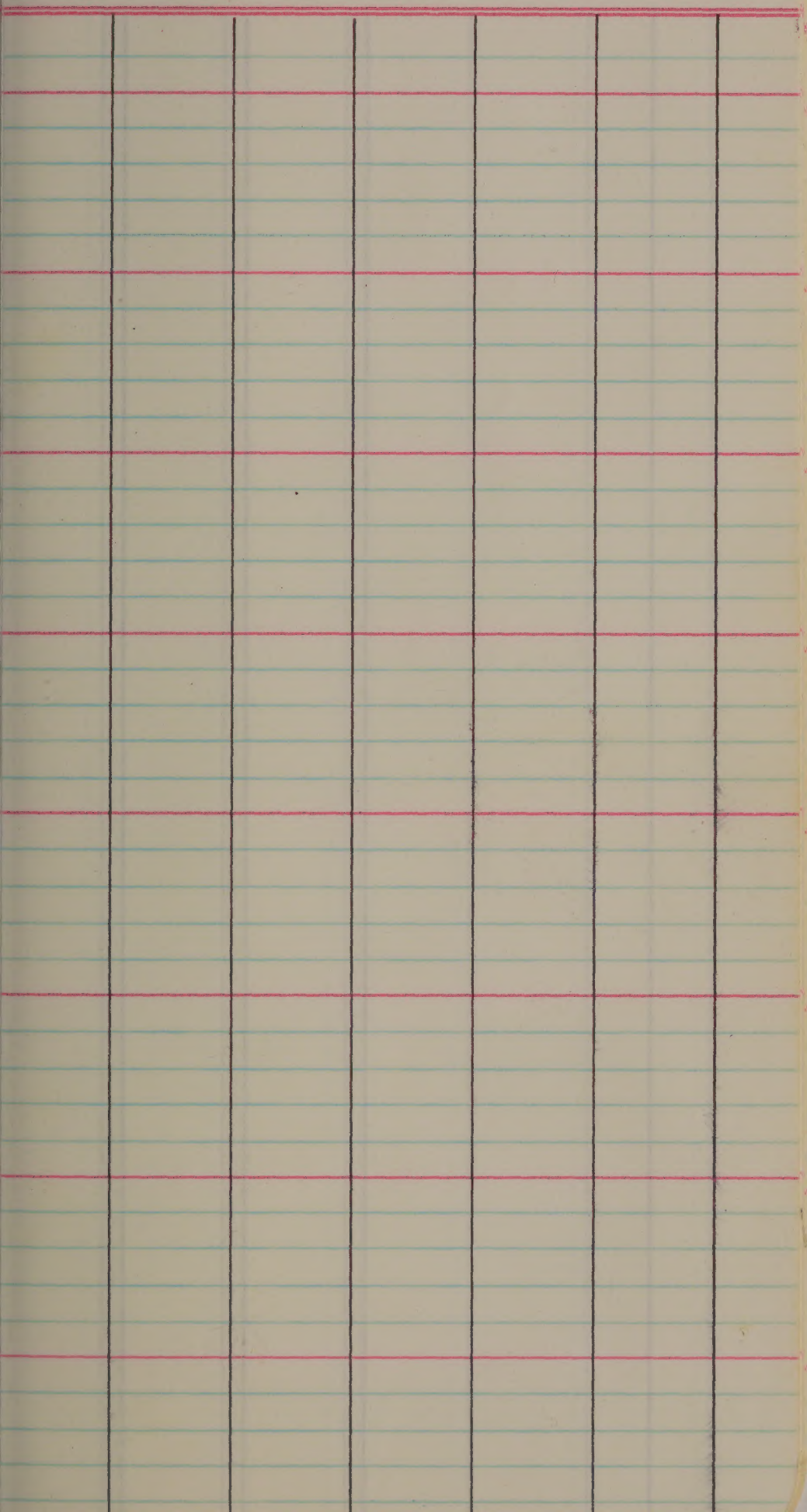
Starbonnet

52

3550

Saturn

12



1850 3/13

1869 3/14

1870 3/14

1871 3/18

1873 3/5

1876 3/15

1881 3/14

1882 3/12

1883 3/7

1887 3/10

1889 3/13

1897 3/15

7530-274-5494
FEDERAL SUPPLY SERVICE
(GPO)

F₂ Populations

80,001	✓	W.C. 858	x	W.C. 921		OK	✓
80,002		Bbt. 50	x	Sadri, Family 1		✓	200
80,003		"	"	"	3		
80,004		Mo. R-500	x	P.I. 215936, Family 3		OK	✓
80,005		"	"	"	4		
80,006		Nato	x	Asahi, Family 2		✓	500
80,007		Nato	x	Calrose, Family 1		✓	
80,008	✓	Belle Patna	x	Nira, Family 1		✓	500
80,009		"	"	"	2		
80,010		Nira	x	Mo. R-500, Family 3		✓	500
80,011		RD-Sadri	x	Mo. 207, Family 1			
80,012		"	"	"	3		
80,013		Rep-Lac	x	Belle Patna, Family 1			
80,014		"	"	"	2		
80,015	✓	C.I. 9444	x	P.I. 215936, Family 2		✓	500
80,016		"	"	"	3		
80,017		322A6-23-Lac	x	Zenith, Family 3			
80,018		Zenith	x	P.I. 215936, Family 1			
80,019		Belle Patna	x	Mo. 207, Family 1			
80,020		"	"	"	2		
80,021	✓	Gulfrose	x	Arkrose			

1962 No.	No. of plants	
		Harvested (500)
		Harvested
346		Harvested
469		Discarded
668		Harvested
582		Harvested
		Harvested
		Discarded
		Harvested 10/14/63
		Harvested
		Harvested
		Harvested

F₃ Lines

90,001	Mo. R-500 X P.I. 215936, Family 1	
90,002	" " " 2	✓
90,003	Nato x Asahi, Family 2	
90,004	Nato x Calrose, Family 3	
90,005	Belle Patna x Nira, Family 1	
90,006	" " " 2	
90,007	Nira x Mo. R-500, Family 1	
90,008	" " " 3	
90,009	RD-Sadri x Mo. 207, Family 1	
90,010	" " " 3	
90,011	Rex-Lac x Belle Patna, Family 1	
90,012	" " " 2	
90,013	C.I. 9444 x P.I. 215936, Family 2	
90,014	322A6-23-Lac x Zenith, Family 1	
90,015	Zenith x P.I. 215936, Family 3	
90,016	Natural cross from W.C. 235	

Pure-line Entries

70,001	W.C. 921	✓	Harvested	9/20
70,002	W.C. 858	✓	Harvested	
70,003	Bluebonnet 50	✓	Harvested	10/3
70,004	Sadri	✓		
70,005	Rexoro			
70,006	RZ #8- Lac			
70,007	Lacrosse		Harvested	10/9/63
70,008	C.I. 6001			
70,009	Caloro	X	Discard	
70,010	Northrose	✓	Harvested	
70,011	W.C. 3			
70,012 ✓	Mo. R-500	✓	Harvested	
70,013	P.I. 215936	✓	Harvested	
70,014	W.C. 17			
70,015	W.C. 83			
70,016	W.C. 643	✓ 50		
70,017	W.C. 664			
70,018	W.C. 932			
70,019	W.C. 938		Harvested	10/5/63
70,020 ✓	Nato	✓	Harvested	
70,021 ✓	Asahi Calrose	✓	Harvested	
70,022 ✓	Calrose Asahi	✓	Harvested	
70,023 ✓	Belle Patna	✓ 50	Harvested	
70,024 ✓	Nira	✓	Harvested	
70,025 ✓	W.C. 940	✓ 50		
70,026	J-583			
70,027	Mo. R-500		Discarded	
70,028	Nira		"	

[illegible]

70,029	RD-Sadri			
70,030	Mo. 207			
70,031	Rex-Lac			
70,032	P.I. 215936	No such plot seeded!		
70,033✓	C.I. 9444	✓	Harvested 10/8/63	
70,034✓	322A6-23-Lac	✓	Harvested 10/10/63	50
70,035✓	Zenith	✓	Harvested	50

1962 No.	No. of plants	
L-25		1-1-100
L-29		1-2-
L-21		1-2-
		1-4-
		2-2-
L-18		2-
		3-
		4-
		5-
		6-
		7-
		8-
		9-
		10-
		11-
		12-
		13-
		14-
		15-
		16-
		17-
		18-
		19-
		20-
		21-

	1962 F ₂ plant No.	No. of plants	
90,001 - 1		15	
-2		19	
-3		10	
-4		12	
-5		17	
-6		21	
-7		15	
-8		8	
-9		1	
-10		19	
-11		20	
-12		14	
-13		13	
-14		9	
-15		27	
-16		16	
-17		5	
-18		6	
-19		20	
-20		2	
-21		13	
-22		16	
-23		3	
-24		17	
-25		22	

90,001- 26	21
-27	8
-28	8
-29	6
-30	7
-31	11
-32	11
-33	11
-34	10
-35	15
-36	8
-37	7
-38	12
-39	6
-40	5
-41	13
-42	11
-43	20
-44	26
-45	10
-46	18
-47	9
-48	11
-49	10
-50	13

90,002-1 ✓

16

-2 ✓

4

-3 ✓

6

-4 ✓

9

-5 ✓

11

-6 ✓

23

-7 ✓

23

-8 ✓

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-9 ✓

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90,002 - 26 ✓

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90,002 - 51 ✓

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-69 ✓

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-70 ✓

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-73 ✓

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-74 ✓

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-75 ✓

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90,002-76 ✓

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-79 ✓

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-80 ✓

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1011

90,003-1

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90,003 -26

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90,003-51

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-75

90,003-76		25	
-77		26	✓
-78		27	✓
-79		28	✓
-80		29	✓
-81		30	✓
-82		31	✓
-83		32	✓
-84		33	✓
-85		34	✓
-86			

90,004-1	✓	22	✓
-2		23	
-3		22	
-4		17	
-5	✓	23	✓
-6	✓	24	✓
-7	✓	23	✓
-8	✓	22	✓
-9	✓	23	✓
-10	✓	24	✓
-11		22	
-12	✓	28	✓
-13	✓	27	✓
-14	✓	22	✓
-15		29	
-16	✓	21	✓
-17	✓	26	✓
-18	✓	27	✓
-19		26	
-20	✓	25	✓
-21		27	
-22	✓	17	✓
-23		24	
-24	✓	27	✓
-25		24	✓

90,004-26	30	✓
-27	19	✓
-28	25	
-29	30	
-30	22	✓
-31	28	
-32	20	✓
-33	26	✓
-34	21	✓
-35	28	✓
-36	22	✓
-37	19	✓
-38	17	✓
-39	25	✓
-40	19	
-41	18	✓
-42	22	✓
-43	20	✓
-44	25	
-45	17	
-46	24	✓
-47	18	✓
-48	23	✓
-49	22	✓
-50	21	✓

90,004-51

22

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2289

Belle Patna x Nira, Family #2

90,006-1	✓	28
-2	✓	22
-3	✓	18
-4	✓	19
-5	✓	19
-6	✓	21
-7	✓	21
-8	✓	24
-9	✓	21
-10	✓	21
-11	✓	19
-12	✓	28
-13	✓	25
-14	✓	27
-15	✓	29
-16	✓	24
-17	✓	25
-18	✓	20
-19	✓	26
-20	✓	23
-21	✓	25
-22	✓	22
-23	✓	25
-24	✓	28
-25	✓	20

90,006 -26 ✓

22

[redacted] -27 ✓

19

[redacted] -28 ✓

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[redacted] -29 ✓

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[redacted] -30 ✓

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-31 ✓

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12-500/24

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90,006-51 ✓

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90,006 101 ✓			
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		Date Heading	Date Harvest	Plant Height, cm	Lodging Score
✓	P/P GPB-1	9/3	10/3	137	1
✓	P/P -2	8/26	10/2	137	1
✓	P/P -3	8/26	10/2	122	1
✓	P/P -4	8/26	10/2	125	1
✓	P/P -5	8/28	10/2	135	1
✓	P/P -6	8/26	10/2	132	1
✓	P/P -7	8/29	10/2	141	1
✓	P/P -8	8/28	10/3	130	1
✓	P/P -9	9/7	10/7	160	7
✓	P/P -10	8/26	10/2	131	3
✓	P/P -11	8/28	10/2	145	3
✓	P/P -12	8/17	9/27	102	1
✓	P/P -13	8/17	9/27	102	1
✓	P/P -14	8/27	10/3	131	1
✓	P/P -15	8/27	10/3	129	1



		Heading	Harvest	Height	Lodging
✓ P/P	GPB-16	8/27	10/2	134	1
✓ P/P	-17	9/1	10/3	135	1
✓ P/P	-18	8/27	10/2	133	1
✓ P/P	-19	8/29	10/2	135	1
✓ P/P	-20	9/3	10/3	134	1
✓ P/P	-21	8/29	10/2	132	1
✓ P/P	-22	8/30	10/2	162	7
✓ P/P	-23	8/30	10/2	162	7
✓ P/P	-24	8/30	10/2	132, 165	3
✓ P/P	-25	9/4	10/3	136	1
✓ P/P	-26	8/28	9/27	142	1
✓ P/P	-27	9/19	10/21	125	7
✓ P/P	-28	9/4	10/2	136	3
✓ P/P	-29	8/10	10/2	152	5
✓ P/P	-30	8/31	10/2	147	3

sample 1

top point

face rate

no. of plants

12-8-98

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mixture tall, short, gold, stone

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highly variable 20 to 40

highly variable 20 to 40

21

		Heading	Harvest	Height	Lodging
✓ P/P	GPB-31	8/31	10/2	150	3
✓ P/P	-32	8/31	10/2	148	3
✓ P/P	-33	8/31	10/2	143	3
✓ P/P	-34	9/1	10/2	145	3
✓ P/P	-35	8/6	9/4	122	
✓ P/P	-36	9/10	10/7	140	3
✓ P/P	-37	9/12	10/21	160	5
✓ P/P	-38	9/25	11/1	147	5
✓ P/P	-39	8/1	9/4	152	7
✓ P/P	-40	8/11 + 9/10	10/10	128	3
✓ P/P	-41	9/27	11/1	135	5
✓ P/P	-42	9/13	10/21	160	7
✓ P/P	-43	8/29	10/2	137	3
✓ P/P	-44	8/21	9/17	166	3
✓ P/P	-45	9/3	10/3	134	3

per 1000

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21-1963

TK

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Only 5 or 6 plants

88-

17-

Highly out. ; very early & very late

Only 4 plants

12-

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		Heading	Harvest	Height	Lodging
✓ P/P	GPB-46	8/27	9/27	145	
✓ P/P	-47	8/30	9/27	145	3
✓ P/P	-48	8/22	9/27	143	3
✓ P/P	-49	8/27	9/27	145	1
✓ P/P	-50	8/17 - 8/27	10/2	135	1
✓ P/P	-51	9/4	10/3	137	1
✓ P/P	-52	9/2	10/7	156	7
✓ P/P	-53	9/2	10/3	163	9
✓ P/P	-54	8/29	10/3	168	7
0 X	-55	—	—	—	—
0 X	-56	—	—	—	—
✓ P/P	-57	9/20	11/1	122	3
✓ P/P	-58	8/16	9/17	136	3
✓ P/P	-59	9/15	10/21	142	9
✓ P/P	-60	8/23	9/27	185	5

original

copy

transcript

page

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		Heading	Harvest	Height	Lodging
Plp	GPB-61	9/7	10/7	154	7
Plp	-62	9/7	10/7	157	3
Plp	-63	9/9	10/10	157	5
Plp	-64	9/22	11/1	102	1
Plp	-65	9/14	10/21	98	1
Plp	-66	8/25	10/3	92	1
Plp	-67	9/9	10/21	103	1
Plp	-68	9/13	10/21	113	1
Plp	-69	9/11 +	11/1	115	7
X	-70	—	—	—	—
Plp	-71	9/18	11/1	112	5
Plp	-72	8/31	10/7	110	1
Plp	-73	9/13	10/21	117	1
Plp	-74	9/13	10/21	118	1
Plp	-75	9/11	10/21	110	1

per person

to get

to get

on back

11-915

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wide Rt. difference (s. mt.)

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Contains tall late plants

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		Heading	Harvest	Height	Lodging
P/P	GPB-76	9/25	11/1	120	1
P/P	-77	9/27	11/1	109	1
P/P	-78	9/23	11/1	118	1
P/P	-79		11/5	115	9
P/P	-80	9/22	11/1	146	9
P/P	-81	9/24	11/5	118	1
P/P	-82	9/25	11/1	112	1
P/P	-83	9/20	10/21	155	9
P/P	-84	8/7	9/4	116	1
P/P	-85	9/20	11/1	145	7
P/P	-86	9/23	11/1	170	9
P/P	-87	9/24	11/1	168	9
P/P	-88	7/29	8/30	125	5
P/P	-89	8/21	10/2	101	1
P/P	-90	8/21	10/2	102	1

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		Heading	Harvest	Height	Lodging
P/p	GPB-91	8/21	10/2	96	1
P/p	-92	8/21	10/2	92	1
P/p	-93	8/22	10/2	94	1
P/p	-94	8/22	10/2	92	1
P/p	-95	8/22	10/2	96	1
P/p	-96	8/22	10/2	97	1
P/p	-97	8/21	10/2	101	1
P/p	-98	8/21	10/2	105	1
P/p	-99	8/12	9/17	112	1
P/p	-100	8/10	9/17	113	1
P/p	-101	9/1	10/3	161	9
X	-102	-	-	-	-
P/p	-103	8/31	10/3	172	9
P/p	-104	9/1	10/3	168	9
P/p	-105	9/3	10/3	170	9

no. about depth length width

201-890

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Only 3 plants

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		Heading	Harvest	Height	Lodging
X	GPB-106	-	-	-	-
P/P	-107	7/26	8/30	145	7
P/P	-108	8/1	9/4	98	3
P/P	-109	7/27	8/30	158	9
P/P	-110		11/5	156	9
P/P	-111	8/3	8/30	141	5
P/P	-112	7/15-7/31	8/30	130	7
P/P	-113	9/15	10/21	114	1
P/P	-114	7/20	8/30	94	3
X	-115	-	-	-	-
P/P	-116	9/15	10/21	96	1
P/P	-117	8/20	10/3	104	1
P/P	-118	9/11	10/21	120	3
P/P	-119	9/7	10/10	152	7
P/P	-120	7/25	9/4	106	1

— NOT FOUND TO SHIP 1/6/25

some vol. in mat.

a mixture of very late plants
never matured!

119

24722-23

Nov. 11/5

24606-10

7530-274-5494
FEDERAL SUPPLY SERVICE
(GPO)

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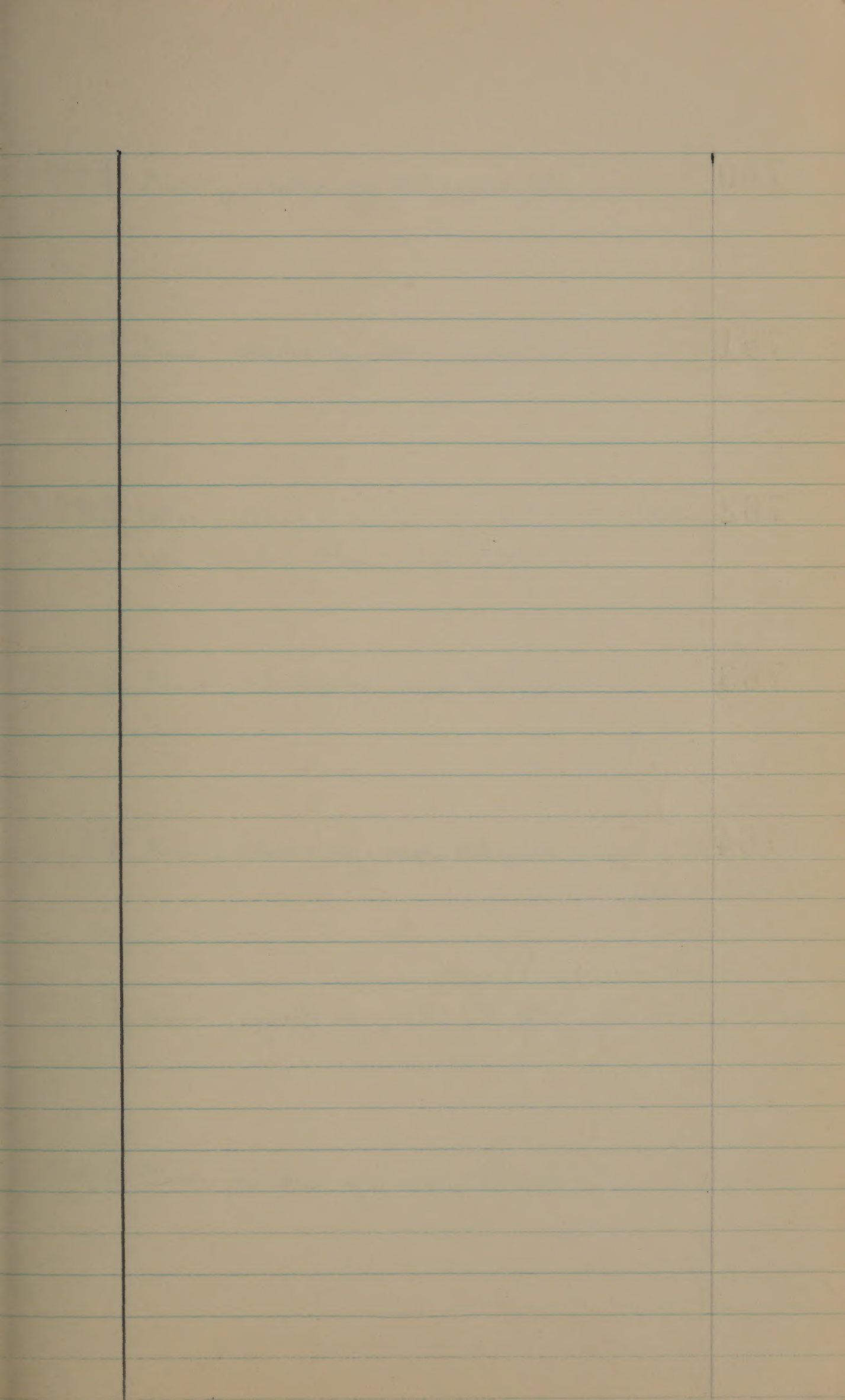
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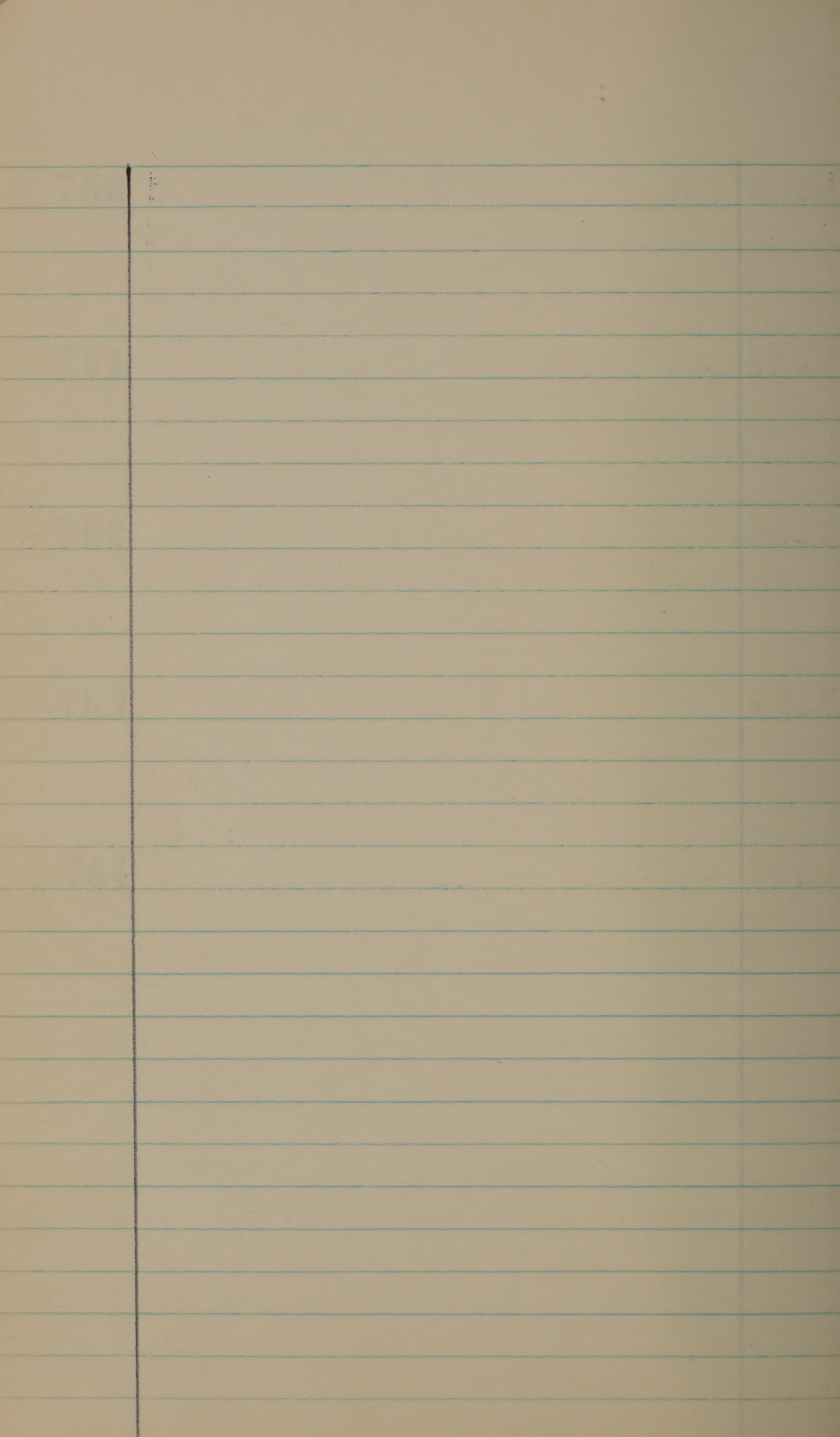
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1201 straw; colorless sp; HF; mod. tall

1202 straw; colorless sp; HF; mod. tall;

1203 taller; straw; purple sp; HF; no distorted glumes;
feels sturdier than Belle Patna;

1204 straw; colorless sp; mod. tall; HF

1205 straw; colorless sp; mod. tall; HF;

1206 straw; purple sp; HF; slightly taller;

1207 straw; colorless sp; mod. tall; HF;

1208 straw; purple sp; mod. ht; HF;

1209 straw; colorless sp; HF?; mod. ht; more sterility?;

1210 straw; colorless sp; mod. ht; UF?;

1211 straw; colorless sp; mod. ht.; UF; more sterility?;

1212 straw; colorless sp; HF?; mod. ht;

1213 straw; colorless sp; mod. ht; UF?;

1214 straw; colorless sp; UF?; mod. ht;

1215 straw; colorless sp; HF; mod. ht; 8881

1216 straw; colorless sp; HF; slightly taller; 8881

1217 straw; colorless sp; UF; mod. ht; 8881

1218 straw; seg. sp. color; UF?; slightly taller; 8881

1219 straw; colorless sp; HF?; mod. ht; more sterility?; 8881

1220 gold; purple sp; mod. ht; UF; 8881

1221 gold; colorless sp; UF; mod. ht. 8881

1222 gold; colorless sp; HF; mod. ht;

1223 gold; purple sp; VF?; moderately short;

1224 gold; purple sp; VF; mod. ht; much like
Blanchville but shorter;

1225 gold; colorless sp; VF?; mod. ht;

1226 gold; colorless sp but some purples present;
some stony & taller segs.; VF; mod. ht.

1227 gold; purple sp; HF; mod. ht;

1228 gold; purple sp; HF; moderately short;

1229 gold; purple sp; mod. ht.; HF?;

3881

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1220 gold; purple sp; UF; slightly taller; much like Bluebelle.

3881

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1221 gold; colorless sp; mod. ht.; UF;

3881

1232 gold; seg. sp. color; UF; moderately short;

3881

1233 gold; colorless sp; mod. ht.; UF;

3881

1234 gold; purple sp; mod. ht.; HF?;

3881

1235 gold; colorless; UF; mod. ht.; much like Bluebelle.

3881

1236 gold; purple sp; VF; mod. ht; much like Bluebell but shorter.

1237 gold; purple sp; VF; mod. ht.; much like Bluebell but shorter;

1238 gold; seg. sp. color; VF; somewhat taller; much like Bluebell.

1239 straw; purple sp; mod. short; HF;

1240 straw; purple sp; HF; mod. ht;

1241 straw; colorless sp; VF; mod. tall;

1242 Bluebell; gold; purple sp; VF; mod. ht;

1243 Belle Patne; tall; straw; purple ap; weaker; 1243

1244 Dawn; tall; UF; gold; colorless ap; 1244

1245 1245

1246 straw; purple ap; HF; slightly taller?; variable ht; 1246

1247 gold; colorless ap; UF?; mod. ht; 1247

1248 1248

1249 gold; colorless ap; HF?; slightly taller; 1249

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gold; reg. op color; VF?; mod. short;

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1257 gold; seg. ap color; UF; mod. ht;

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1259 gold; colorless ap; HF; mod. ht;

1260 gold; purple ap; HF; mod. ht;

1261 gold; colorless ap; UF?; mod. ht; more sterility?;

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1263 gold; purple ap; UF; mod. ht;

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gold; colorless up; UF; mod. ht;

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gold; purple up; UF; slightly taller?; sturdy;

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8751

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stem; purple ap; HF; mod. tall; weaker?;

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gold; purple ap; UF; mod. ht;

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gold; colorless ap; HF?; mod. ht;

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gold; seg. of color; UF?; slightly taller?; sturdy.

8751

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gold; colorless sp; UF; mod. ht.;

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gold; seg. of color; UF; slightly taller;

1282

gold; seg. of color; UF?; slightly taller; sturdier;

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1284

gold; colorless sp; UF?; mod. ht.;

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gold; purple sp; UF; mod. lit;

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Belle Patina; tall;

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Dawn; tall; UF;

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1404

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1405

8001

1406

9001

1407

0001

1408

1001

1409

2001

1410

3001

1411

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9431

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9431

1443

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1445

8431

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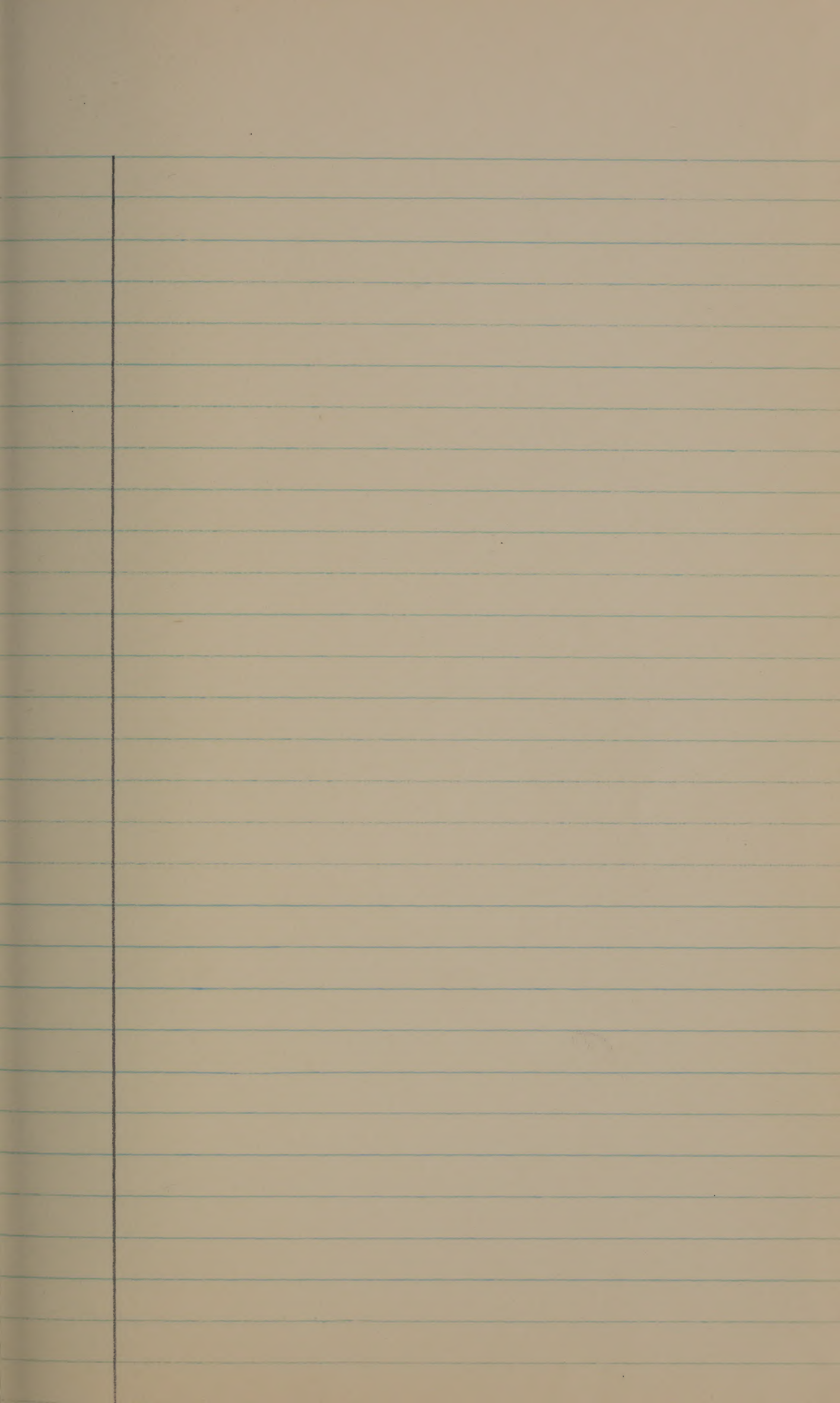
1460

1461

1462

1463

1464





		Classified	Stigma Color	Culm Angle	Strength	Shattering	Flag Angle
*	1052	✓	✓	✓	✓	✓	✓
*	1053	✓	✓	✓	✓	✓	✓
*	1054	✓		✓	✓	✓	✓
*	1055	✓		✓	✓	✓	✓
*	1056	✓		✓	✓	✓	✓
	1057	No plants					
*	1058	✓	✓	✓	✓	✓	✓
	1059	No plants					
*	1060	✓	✓	✓	✓	✓	✓
	1061						
*	1062	✓		✓	✓	✓	✓
*	1063	✓		✓	✓	✓	✓
*	1064	✓		✓	✓	✓	✓
*	1065	✓	✓	✓	✓	2	✓
*	1066	✓	✓	✓	✓	✓	✓
*	1067	✓		✓	✓	✓	✓
*	1068	✓		✓	✓	✓	✓
*	1069	✓		✓	✓	✓	✓
*	1070	✓	✓	✓	✓	✓	✓
*	1071	✓	✓	✓	✓	✓	✓
*	1072	✓		✓	✓	✓	✓
*	1073	✓		✓	✓	✓	✓
*	1074	✓	✓	✓	1	2	✓
*	1075	✓		✓	✓	✓	✓
*	1076	✓	✓	✓	✓	✓	✓
*	1077	✓		✓	✓	✓	✓
*	1078	✓		✓	✓	✓	✓
*	1079	✓		✓	✓	✓	✓
*	1080	✓		✓	✓	✓	✓
*	1081	✓		✓	✓	✓	✓

Culm Height
in.

Peduncle length
cm.

Panicle length
cm.

54,53,53,51,52					2201
55,55,55					1801
55,54,56,49,57					1801
47,49,44,52,55					2201
57,62,59,61,64					1801
					2201
51,51,56,53,57					2201
					2201
					1801
53,57,44					
59,55,58,60,60					Mixed; did not -classify.
52,52,53					2201
55,54,54,52,55					2201
48,50,52,47,48					1801
55,54,52,55,58					2201
53,57,51,54,53					2201
54,51,53,53,55					2201
50					2201
53,52,52,52,53					2201
47,49,47,45,45					1801
46,41,44,45,47					1801
51,51,53,54,52					2201
51,47,47,49,49					2201
45,45,46,47,49					2201
49,48,49,54,50					2201
41,39,38,39,41					2201
50,53,45,49,45					2201
51,47,42,47,50					2201
47,48,45,46,51					2201
42,44,45,45,42					2201
46,45,46,43,43					2201

		Classified	Stigma Color	Culm Angle	Strength	Shattering	Flag Angle
*	1082	✓		✓	✓	✓	✓
*	1083	✓	✓	1	1	1	3
*	1084	✓	✓	1	1	2	3
*	1085	✓		✓	✓	✓	✓
*	1086	✓		✓	✓	✓	✓
*	1087	✓		✓	✓	✓	✓
*	1088	✓		✓	✓	✓	✓
*	1089	✓		✓	✓	✓	✓
*	1090	✓	✓	1	1	2	3
*	1091	✓		✓	✓	✓	✓
*	1092	✓		✓	✓	✓	✓
*	1093	✓		✓	✓	✓	✓
*	1094	✓		✓	✓	✓	✓
*	1095	✓		✓	✓	✓	✓
*	1096	✓		✓	✓	✓	✓
*	1097	✓	✓	✓	✓	✓	✓
*	1098	✓		✓	✓	✓	✓
*	1099	✓		✓	✓	✓	✓
*	1100	✓		✓	✓	✓	✓
	1101	No plants					
	1102	" "					
*	1103	✓		✓	✓	✓	✓
*	1104	✓		✓	✓	✓	✓
*	1105	✓		✓	✓		✓
*	1106	✓		✓	✓	✓	✓
*	1107	✓					
*	1108	✓					
*	1109	✓					
*	1110	✓					
*	1111	✓	✓				

Culm Height

Peduncle Length

Panicle Length

42, 49, 47, 46, 46

49, 49, 50, 49, 50

48, 48, 47, 48, 48

48, 49, 46, 48, 48

45, 49, 46, 51, 51

52, 50, 45, 45, 50

47, 48, 48, 46, 48

42, 41, 45, 47, 48

42, 45, 48, 48, 45

49, 51, 51, 47, 47

52, 52

47, 48, 46, 48, 48

50, 49, 49, 51, 48

55, 51, 51, 56, 52

51, 48, 47, 48, 46

47, 45, 45, 44, 47

50, 52, 49, 52, 52

47

48, 44, 45, 46, 45

47, 44, 50, 47, 47

53, 56, 52, 53, 51

45, 49, 49, 48, 49

49, 54, 51, 50, 47

49, 49, 50, 47, 48

50, 52, 52, 52, 51

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53, 52, 53, 53, 53

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		classified	stigma color	culm Angle	strength	shattering	flag Angle
*	1112	✓					
*	1113	✓					
*	1114	✓		✓	✓	✓	✓
	1115	No plants					
	1116	" "					
	1117	" "					
	1118	" "					
	1119	" "					
	1120	" "					
	1121	" "					
	1122	" "					
	1123	" "					
	1124	" "					
*	1125	✓			✓	✓	✓
*	1126	✓		✓	✓	✓	✓
*	1127	✓		✓	✓	✓	✓
*	1128	✓	✓	✓	✓	✓	✓
	1129	No plants					
	1130	" "					
*	1131	✓				✓	✓
*	1132	✓			✓	✓	✓
	1133	No plants					
*	1134	✓		✓	✓	✓	✓
*	1135	✓		✓	✓	✓	✓
*	1136	✓				✓	✓
	1137	No plants					
	1138	" "					
*	1139	✓		✓	✓	✓	✓
*	1140	✓		✓	✓	✓	✓
	1141	No plants					

colm Height

Peduncle Length

Panicum length

[illegible]

		classified	stigma color	culm angle	strength	shattering	flag angle
	1142	No plants					
*	1143	✓	✓		✓	✓	✓
	1144	No plants					
*	1145	✓	✓	✓	✓	✓	✓
	1146	No plants					
	1147	" "					
	1148	" "					
*	1149	✓		✓	✓	✓	✓
*	1150	✓	✓	✓		✓	✓
*	1151	✓	✓	✓	✓	✓	✓
*	1152	✓				✓	
	1153	No plants					
	1154	" "					
*	1155	✓		✓	✓	✓	
*	1156	✓	✓			✓	✓
	1157	No plants					
*	1158	✓		✓	✓	✓	✓
*	1159	✓		✓	✓	✓	✓
	1160	No plants					
*	1161	✓		✓	✓	✓	✓
*	1162	✓		✓	✓	✓	✓
*	1163	✓		✓		✓	✓
*	1164	✓		✓	✓	✓	✓
*	1165	✓				✓	✓
*	1166	✓	✓	✓	✓	✓	✓
	1167	No plants					
	1168	" "					
*	1169	✓					
*	1170	✓					
*	1171	✓					

Culm Height

Peduncle Length

Panicle Length

41, 47, 52, 43

56

51, 54, 56, 51, 53

46

43, 52

43

49

49

45, 54, 49, 54

46, 49, 46, 42, 48

53, 48, 54, 50, 52

60, 63, 59, 59, 61

47, 53

55, 53, 53, 51, 53

50

66, 59, 60, 63, 62

49, 52, 49, 47, 49

57, 58, 60, 56, 58

56, 56, 59, 59, 54

No plant of 1173		Classified	Stigma Color	Culm Angle	Strength	Shattering	Flag Angle
↙ ↗	1173	No plants					
*	1172	✓					
*	1174	✓	✓	1	1	2	2
*	1175	✓	✓	1	1	2	2
*	1176	✓		✓	✓	✓	✓
*	1177	✓		✓	✓	✓	✓
*	1178	✓	✓	1	1	2	3
*	1179	✓	✓	1	1	2	2
*	1180	✓	✓	1	1	2	2
*	1181	✓	✓	✓	✓	✓	✓
*	1182	✓					
	1183	No plants					
*	1184	✓	✓	✓	✓	✓	✓
*	1185	✓		✓	✓	✓	✓
*	1186	✓	✓	✓	✓	✓	✓
	1187	No plants					
*	1188	✓					
*	1189	✓					
*	1190	✓					
*	1191	✓	✓	1	1	2	2
*	1192	✓	✓	1	1	2	2
*	1193	✓	✓	1	1	2	2
	1194	No plants					
*	1195	✓	✓	1	1	1	2
*	1196	✓		✓	✓	✓	✓
*	1197	✓					
*	1198	✓					
*	1199	✓					
*	1200	✓					
*	1201	✓	✓	1	1	3	1

Culm Height

Peduncle Length

Panicle Length

57, 56, 57, 56, 54

52, 53, 53, 54, 50

49, 48, 49, 47, 45

43, 48, 45, 45, 43

46, 46, 45, 45, 46

48, 46, 49, 49, 50

50, 50, 49, 49, 49

49, 48, 48, 49, 46

44, 44, 47, 47, 47

50, 48, 45, 47, 47

46, 45, 44, 44, 43

53, 54, 52, 52, 51

47,

50, 49, 54, 48, 49

46, 45, 45, 46, 45

45, 42, 40, 43, 43

45, 47, 51, 50, 48

51, 49, 50, 51, 49

50, 46, 47, 44, 45

42, 42, 41, 41, 42

44, 46, 44, 45, 47

36, 35, 38, 40, 40

40, 38, 41, 41, 42

52, 51, 47, 54, 49

43, 40, 45, 42, 43

41, 40, 50, 44, 45

41, 38, 45, 41, 41

39, 41, 40, 40, 40

41, 39, 43, 39, 39

42, 39, 35, 42, 39

41, 44, 40, 40, 38

38, 36, 38, 37, 37

43, 45, 37, 43, 46

39, 37, 37, 37, 37

20, 21, 28, 21, 24

24, 22, 29, 19, 22

22, 21, 22, 20, 22

23, 20, 24, 21, 20

20, 19, 17, 20, 19

22, 25, 23, 20, 21

22, 22, 21, 23, 22

22, 23, 21, 23, 24

23, 19, 21, 20, 18

		Classified	Stigma Color	Culm Angle	Shattering	Strength	Flag Angle
*	1202	✓					
*	1203	✓					
*	1204	✓	✓	✓	✓	✓	✓
*	1205	✓	✓	✓	✓	✓	✓
*	1206	✓					
*	1207	✓					
*	1208	✓	✓	1	2	1	2
*	1209	✓		✓	✓	✓	✓
	1210	No plants					
*	1211	✓		✓	✓	✓	✓
*	1212	✓		✓	✓	✓	✓
*	1213	✓					
*	1214	✓					
*	1215	✓					
*	1216	✓					
*	1217	✓					
*	1218	✓					
*	1219	✓					
*	1220	✓					
*	1221	✓					
*	1222	✓		✓	✓	✓	✓
*	1223	✓	✓	1	2	1	2
	1224	No plants					
	1225	" "					
*	1226	✓	✓	1	2	1	2
*	1227	✓	✓	1	2	1	1
*	1228	✓			✓		✓
*	1229	✓	✓	✓	✓	✓	✓
*	1230	✓	✓	✓	✓	✓	✓
*	1231	✓		✓	✓	✓	✓

Colm Height

Peduncle Length

Panicle Length

43,42,42,45,45			5251	*
58,54,55,54,55			1551	
47,45,48,46,47			1551	*
38,37,39,37,39			2551	*
48,45,47,43,44			3051	
49,47,50,46,50			7751	
45,46,47,45,44	38,39,39,36,38	24,24,26,25,22	8751	*
51,45,47,47,46			9851	*
			0451	
48,47,45,48,47			1451	*
53,49,45,47,49			1551	*
37,43,47,47,47			2151	
38,33,38,40,40			1511	
37,38,43,41,44			2151	
41,41,38,45,46			2151	
46,44,47,47,46			7151	*
47,47,46,41,47			8151	*
39,46,46,41,42			9151	*
44,45,47,48,45			0651	*
43,45,45,49,42			1651	*
45,52,43,44,45			8751	*
41,38,41,48	37,41,37,42,	24,25,20,26,	8851	*
			1551	
			7551	
48,50,45,44,41			2551	*
43,41,44,41,42	36,34,34,41,32	23,23,24,26,22	7551	*
37			8551	*
47,44,41,39,41			9551	*
39,40,38,41,42			0651	*
48,46,46,46,46			1751	*

		classified	stigma color	culm angle	strength	shattering	flag angle
*	1232	✓					
*	1233	✓					
*	1234	✓					
*	1235	✓					
*	1236	✓	✓	1	1	2	2
*	1237	✓	✓	1	1	2	3
*	1238	✓	✓	1	1	2	2
*	1239	✓		✓	✓	✓	✓
*	1240	✓		✓	✓	✓	✓
*	1241	✓	✓	1	1	1	2
*	1242	✓	✓	1	1	1	2
*	1243	✓	✓	1	1	2	3
	1244	✓	✓			✓	✓
	1245	✓		✓	✓	✓	✓
	1246	No plants					
*	1247	✓		✓	✓	✓	✓
*	1248	✓					
*	1249	✓					
	1250	✓		✓	✓	✓	✓
*	1251	✓	✓	1	1	2	2
*	1252	✓	✓	1	1	2	2
*	1253	✓	✓	1	1	2	2
*	1254	✓	✓	1	1	2	2
*	1255	✓	✓	1	1	2	2
*	1256	✓	✓	1	1	1	2
*	1257	✓		✓	✓	✓	✓
*	1258	✓		✓	✓	✓	✓
*	1259	✓		✓	✓	✓	✓
*	1260	✓	✓	1	1	2	2
*	1261	✓	✓	1	2	2	2

Culm Height

Peduncle Length

Panicle Length

47, 47, 49, 47, 50

50, 51, 51, 47, 51

50, 47, 50, 48, 49

52, 51, 52, 51, 50

41, 43

43, 41, 44, 43, 44

36, 42, 35, 39, 38

47, 46, 50, 46, 44

48, 46, 47, 48, 46

39, 31, 39, 42, 31

47, 45, 41, 42, 44

49, 50, 47, 47, 45

45

54, 51, 52, 51, 51

50, 49, 53, 51, 56

51, 50, 51, 46, 46

46, 44, 48, 47, 43

47, 44, 41, 45, 43

47, 45, 46, 45, 44

48, 48, 42, 44, 45

45, 42, 42, 41, 40

44, 43, 42, 44, 44

44, 39, 36, 38, 39

43, 45, 42, 42, 43

46, 45, 45, 44, 48

49, 48, 47, 46, 48

51, 40, 46, 47, 46

42, 41, 43, 44, 44

36, 45, 36, 37, 38

37, 41, 39, 42, 39

41, 44, 40, 40, 42

35, 36, 35, 35, 39

38, 40, 36, 42, 37

38, 34, 39, 37, 37

20, 24, 23, 24, 23

23, 25, 23, 23, 22

21, 23, 18, 21, 25

22, 22, 18, 26, 23

20, 21, 18, 19, 20

		classified	stigma color	culm Angle	strength	shattering	Flag Angle
*	1262	✓		✓	✓	✓	✓
*	1263	✓		✓	✓	✓	✓
*	1264	✓		✓	✓	✓	✓
*	1265	✓	✓	1	1	2	3
*	1266	✓	✓	1	1	2	3
*	1267	✓		✓	✓	✓	✓
*	1268	✓	✓	✓	✓	✓	✓
	1269	No plants					
	1270	" "					
	1271	" "					
	1272	" "					
*	1273	✓	✓	2	2	1	2
*	1274	✓	✓	2	2	2	3
	1275	No plants					
	1276	" "					
	1277	" "					
*	1278	✓	✓	1	1	2	3
*	1279	✓	✓	1	1	2	2
*	1280	✓	✓	1	1	2	3
	1281	✓		✓	✓	✓	✓
*	1282	✓		✓	✓	✓	
*	1283	✓	✓	✓	✓	✓	✓
*	1284	✓					
*	1285	✓		✓	✓	✓	✓
*	1286	✓					
	1287	No plants					
	1288	" "					
*	1289	✓	✓	1	1	2	1
*	1290	✓		✓	✓	✓	✓
	1291	No plants					

Culm Height

Peduncle Length

Panicle Length

53, 52, 53, 51, 52

50, 49, 50, 51, 54

52, 50, 48, 52, 50

48, 46, 50, 49, 49

42, 41, 40, 53, 42

45, 42, 44, 45, 42

59, 60, 61, 61, 58

46, 45, 43, 47, 46

38, 40, 42, 41, 44

33, 35, 37, 36, 36

16, 18, 19, 18, 19

43, 45, 45, 44, 45

41, 40, 41, 46, 42

44, 45, 41, 44, 45

48, 47, 46, 51, 46

53, 49, 48, 51, 49

50, 46, 47, 46, 49

54, 49, 48, 46, 47

45, 46, 48, 47, 48

52, 46, 48, 47, 48

46, 43, 45, 44, 44

42, 40, 41, 41, 40

25, 22, 25, 25, 24

47, 49, 50, 50, 51

		classified	stigma color	culm angle	strength	shattering	flag angle
* 1292	✓	✓	✓	✓	✓	✓	✓
1293	No plants						
* 1294	✓	✓	✓	1	1	2	3
* 1295	✓			✓	✓	✓	✓
* 1296	✓	✓	✓	1	1	2	2
* 1297	✓			✓	✓	✓	
* 1298	✓	✓	✓	1	1	2	3
* 1299	✓			✓		✓	
* 1300	✓			✓	✓	✓	
* 1301	✓	✓	✓	✓	✓	✓	✓
* 1302	✓	✓	✓	✓	✓	✓	✓
* 1303	✓			✓	✓	✓	✓
* 1304	✓	✓	✓	✓	✓	✓	✓
* 1305	✓			✓	✓	✓	✓
* 1306	✓	✓	✓	✓	✓	✓	✓
* 1307	✓			✓	✓	✓	✓
* 1308	✓			✓	✓	✓	✓
* 1309	✓			✓	✓	✓	✓
* 1310	✓			✓	✓	✓	✓
* 1311	✓			✓	✓	✓	✓
* 1312	✓			✓	✓	✓	✓
* 1313	✓			✓	✓	✓	✓
* 1314	✓			✓	✓	✓	✓
* 1315	✓						
* 1316	✓						
* 1317	✓						
* 1318	✓	✓	✓	1	1	2	2
* 1319	✓						
* 1320	✓						
* 1321	✓						

Culm Height

Peduncle Length

Panicle Length

41, 42, 43, 42, 43

42, 45, 44, 43, 44

45, 43, 46, 45, 45

46, 43, 43, 44, 43

47, 45, 45, 45, 47

46, 47, 45, 44, 44

49, 48, 50, 43, 48

43, 41, 42, 43, 41

49, 49, 49, 47, 51

49, 48, 44, 47, 47

44, 43, 44, 46, 45

49, 47, 46, 49, 51

50, 44, 47, 45, 41

45, 49, 49, 50, 52

46

45, 43, 43, 42, 43

47, 46, 46, 44, 44

42, 42, 43, 44, 44

44, 45, 45, 44, 43

49, 53, 47, 51, 53

48, 46, 43, 51, 48

41, 50, 47, 46, 48

46, 44, 43, 42, 46

50, 45, 45, 44, 43

38, 39, 38, 38, 35

40, 41, 41, 40, 41

57, 49, 54, 52, 54

51, 49, 51, 54, 54

1 plant

		Classified	Stigma Color	Culm Angle	Strength	Shattering	Flag Angle
*	1322	✓					
*	1323	✓					
*	1324	✓					
*	1325	✓					
*	1326	✓	✓	F	F	2	2
*	1327	✓					
*	1328	✓					
*	1329	✓					
*	1330	✓					
*	1331	✓					
*	1332	✓					
*	1333	✓					
*	1334	✓					
*	1335	✓					
*	1336	✓					
*	1337	✓					
*	1338	✓					
*	1339	✓	✓	1	1	1	3
*	1340	✓	✓	1	1	1	3
*	1341	✓		✓	✓	✓	✓
*	1342	✓		✓	✓	✓	✓
*	1343	✓	✓	1	1	2	2
*	1344	✓		✓	✓	✓	✓
	1345	No plants					
*	1346						
	1347	No plants					
*	1348	✓					
*	1349	✓					
*	1350	✓	✓	1	2	1	2
*	1351	✓	✓	2	3	3	2

Culm Height

Peduncle Length

Panicle Length

48, 47, 48, 45, 48

41, 41, 41, 39, 40

46, 46, 51, 49, 47

49, 52, 51, 53, 51

42, 44, 42, 43, 44

50, 50, 48, 50, 51

54, 51, 53, 50, 45

49, 45, 51, 51, 47

47, 52, 51, 48, 51

51, 54, 50, 46, 49

60, 60, 57, 58, 58

49, 50, 48, 50, 51

48, 45, 46, 50, 49

49, 51, 48, 49, 46

52, 53, 48, 49, 48

49, 44, 45, 45, 47

51, 50, 48, 50, 50

38, 38, 36

43, 44, 44, 45, 45

42, 43, 40, 42, 42

45, 42, 44, 45, 43

40, 43, 41, 41, 37

54, 46, 47, 52, 50

61

56, 51, 51, 50, 55

55, 54, 52, 51, 53

51, 50, 47, 49

53, 54, 50, 49, 46

39, 39, 41, 36, 37

24, 23, 25, 23, 22

1 plant

mixed types

		classified	stigma color	coln angle	strength	shattering	flag angle
*	1352	✓			✓	✓	
*	1353	✓		✓	✓	✓	✓
	1354	No plants					
*	1355	✓					
*	1356	✓	✓	1	1	2	2
*	1357	✓	✓	1	1	1	2
*	1358	✓	✓	1	1	2	2
*	1359	✓	✓	1	1	1	2
*	1360	✓	plants	✓		✓	
*	1361	✓	✓	1	1	1	3
*	1362	✓	✓	1	1	1	3
*	1363	✓	✓	1	1	1	3
*	1364	✓	✓	1	1	2	3
	1365	No plants					
	1366	" "					
	1367	" "					
	1368	" "					
	1369	" "					
	1370	" "					
*	1371	✓				✓	✓
	1372	No plants					
	1373	" "					
	1374	" "					
	1375	" "					
	1376	" "					
	1377	" "					
	1378	" "					
	1379	" "					
	1380	" "					
	1381	" "					

culm Height

Peduncle Length

Panicum Length

[illegible]

		classified	stigma color	Culm Angle	strength	shattering	Flag Angle
* 1382	✓					✓	✓
1383	No plants						
1384	" "						
1385	" "						
1386	" "						
1387	" "						
1388	" "						
1389	" "						
1390	" "						
1391	" "						
1392	" "						
1393	" "						
1394	" "						
1395	" "						
1396	" "						
1397	" "						
1398	" "						
1399	" "						
1400	" "						
1401	" "						
1402	" "						
1403	" "						
1404	" "						
1405	" "						
1406	" "						
1407	" "						
* 1408	✓	✓	✓	✓	✓	✓	✓
1409	No plants						
1410	" "						
1411	" "						

Colm Height

Rebuncle Length

Panicle Length

45

5111

5111

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53

Classified

Stigma Color

Culm Angle

Strength

Shattering

Flag Angle

1412

No plants

1413

" "

1414

" "

* 1415

✓

✓

1

1

2

2

* 1416

✓

✓

1

1

2

2

* 1417

✓

✓

✓

✓

✓

✓

* 1418

✓

✓

✓

✓

✓

* 1419

✓

✓

✓

✓

* 1420

✓

✓

✓

✓

✓

* 1421

✓

✓

1

1

2

2

* 1422

✓

✓

1

1

1

2

* 1423

✓

✓

1

1

2

3

* 1424

✓

✓

1

1

2

3

* 1425

✓

✓

✓

✓

* 1426

✓

✓

✓

✓

* 1427

✓

✓

1

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1

2

* 1428

✓

✓

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* 1429

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✓

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* 1430

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* 1431

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* 1433

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* 1434

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* 1435

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* 1436

✓

* 1437

✓

* 1438

✓

✓

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1

2

2

* 1439

✓

✓

1

1

2

2

* 1440

✓

✓

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1

2

2

* 1441

✓

✓

1

1

2

3

Culm Height

Peduncle Length

Panicle Length

46, 47, 45, 42, 46	34, 38, 39, 37, 41	21, 22, 22, 23, 27
52, 50, 48, 46, 49		
62, 60, 60, 60, 58		
56, 60, 62, 60, 55		
59, 59, 55, 58, 59		
41, 41, 39, 41, 40		
43, 44, 43, 45, 47		
42, 38, 41, 41, 41		
39, 39, 40, 40, 41		
45, 46, 44, 46, 42		
50, 46, 47, 48, 49		
48, 43, 44, 43, 44		
45, 45, 49, 45, 47	37, 38, 36, 36, 33	20, 19, 18, 18, 15
45, 43, 40, 46, 46		
44, 41, 41, 43, 41		
49, 49, 48, 49, 48		
48, 48, 50, 49, 46		
45, 45, 49, 47, 45		
47, 44, 43, 44, 43		
37, 39, 41, 40, 40		
52, 47, 48, 47, 48		
52, 52, 53, 52, 49		
39, 42, 43		
42, 40, 40, 42, 43		
44, 45, 45, 45, 45		
42, 44, 44, 45, 42		

		Classified	Stigma Color	Colm Angle	Strength	Shattering	Flag Angle	cm
*	1442	✓	✓	1	1	2	2	
*	1443	✓	✓	1	1	1	2	
*	1444	✓	✓	1	2	2	3	
*	1445	✓	✓	1	1	3	2	
*	1446	✓	✓	1	1	2	2	
*	1447	✓	✓	1	1	2	3	
*	1448	✓	✓	1	1	2	2	
*	1449	✓		✓	✓	✓		
*	1450	✓	✓	1	1	2	2	
*	1451	✓		✓		✓		
*	1452	✓		✓	✓	✓	✓	110.74
*	1453	✓		✓	✓	✓	✓	114.30
*	1454	✓		✓	✓	✓	✓	128.06
*	1455	✓		✓	✓	✓	✓	115.82
*	1456	✓		✓	✓	✓		104.14
*	1457	✓		✓	✓	✓	✓	111.76
*	1458	✓		✓	✓	✓	✓	105.66
*	1459	✓	✓	1	2	1	2	110.21
*	1460	✓		✓	✓	✓	✓	110.74
*	1461	✓		✓	✓	✓	✓	114.36
*	1462	✓		✓	✓	✓		111.25
*	1463	✓	✓	1	1	2	1	108.21
*	1464	✓	✓	1	1	1	3	111.76
*	1465	✓	✓	1	1	2	3	117.39
*	1466	✓	✓	1	1	2	2	104.65
*	1467	✓	✓	1	1	2	3	108.71
*	1468	✓	✓	1	1	1	2	105.66
*	1469	✓		✓	✓	✓		109.21
*	1470	✓		✓	✓	✓		110.21
*	1471	✓		✓	✓	✓		112.21

inches

Culm Height

Peduncle Length

Panicle Length

	46, 43, 43, 43, 43				
	45, 44, 46, 44, 44				
	42, 45, 44, 44, 44				
	46, 44, 44, 43, 44	41, 38, 37, 37, 35	23, 22, 23, 22, 20		
	48, 46, 46, 48, 48	37, 36, 36, 31, 35	23, 21, 23, 19, 23		
	46, 44, 44, 45, 43	37, 37, 33, 39, 35	20, 20, 19, 22, 20		
	45, 44, 43, 44, 44				
	48, 45, 49, 47, 47				
	44, 46, 41, 47, 46	46, 35, 40, 36, 39	23, 19, 18, 19, 22		
	50, 50, 47, 51, 48				
43.6	47, 43, 41, 44, 43				
45.0	45, 39, 42, 51, 48				
50.4	51, 53, 50, 51, 47				
45.6	44, 47, 44, 46, 47				
41.0	41, 42, 40, 43, 39				
44.0	39, 45, 46, 44, 46				
41.6	44, 39, 41, 43, 41				
43.4	44, 44, 41, 46, 41				
43.6	43, 44, 44, 44, 43				
45.0	47, 45, 44, 44, 45				
43.8	46, 40, 47, 42, 44				
42.6	43, 42, 40, 44, 44				
44.0	45, 44, 43, 44, 44				
46.2	47, 49, 44, 46, 45				
41.2	39, 38, 46, 42, 41				
42.8	42, 43, 43, 42, 44				
41.6	40, 41, 41, 43, 43				
43.0	43, 44, 42, 43, 43				
43.4	44, 43, 44, 44, 42				
44.2	47, 44, 43, 45, 42				

		classified	stigma color	culm Angle	strength	shattering	flag Angle	cm.
*	1472	✓		✓	✓	✓	✓	131.0
*	1473	✓	✓	1	2	1	3	106.6
*	1474	✓	✓	1	2	2	3	102.1
*	1475	✓	✓	1	1	1	3	102.1
*	1476	✓	✓	1	1	2	2	104.1
*	1477	✓		✓	✓	✓	✓	110.2
*	1478	✓	✓	1	1	3	2	106.6
*	1479	✓	✓	1	1	2	2	105.1
*	1480	✓		✓	✓	✓		117.3
*	1481	✓	✓	✓	✓	✓	✓	109.2
*	1482	✓		✓	✓	✓	✓	122.4
*	1483	✓	✓	✓	✓	✓	✓	120.9
*	1484	✓	✓	1	1	2	2	113.7
*	1485	✓	✓	1	1	1	2	113.2
*	1486	✓	✓	1	1	2	2	105.6
*	1487	✓	✓	1	1	2	2	111.7
*	1488	✓	✓	2	1	2	2	110.2
*	1489	✓	✓	1	1	2	2	105.8
*	1490	✓	✓	2	3	2	2	116.3
*	1491	✓		✓	✓	✓	✓	114.0
*	1492	✓		✓	✓	✓	✓	98.5
*	1493	✓	✓	✓	✓	✓	✓	100.8
*	1494	✓	✓	3	2	3	2	119.8
	1495							

inches	Culm Height	Reduncle Length	Panicle Length
51.6	52, 52, 53, 50, 51		
42.0	41, 44, 44, 42, 39		
40.2	40, 39, 38, 43, 41		
40.2	41, 41, 41, 40, 38		
41.0	41, 41, 41, 40, 42		
43.4	46, 41, 42, 44, 44		
42.0	42, 43, 42, 40, 43		
41.4	42, 40, 42, 42, 41	43.0 43, 41, 44, 43, 44	22.2 24, 19, 24, 22, 22
46.2	49, 45, 46, 46, 45		
43.0	41, 41, 45, 45, 43		
48.2	49, 50, 46, 46, 50		
47.6	47, 49, 47, 47, 48		
44.4	46, 43, 45, 43, 45	36.4 40, 34, 34, 40, 34	23.4 28, 22, 19, 26, 22
44.6	45, 44, 46, 42, 46	34.8 32, 32, 36, 39, 35	19.4 18, 20, 18, 24, 17
41.6	41, 42, 42, 41, 42	34.2 33, 35, 34, 33, 36	20.8 23, 21, 21, 21, 18
44.0	44, 44, 44, 43, 45	35.8 39, 41, 32, 35, 32	19.2 23, 23, 16, 18, 16
43.4	43, 42, 44, 44, 44	38.4 38, 42, 40, 38, 34	21.4 22, 24, 23, 20, 18
41.6	40, 37, 44, 43, 44	39.6 41, 42, 40, 39, 36	23.2 24, 26, 22, 24, 20
45.8	47, 45, 46, 46, 45	41.0 39, 40, 41, 39, 46	21.6 22, 22, 20, 21, 23
45.0	45, 44, 44, 47		
38.8	38, 39, 39, 40, 38		
39.6	41, 39, 38, 40, 40		
47.2	50, 46, 46, 47, 47	26.8 26, 28, 28, 25, 27	18.6 20, 19, 19, 17, 18

		classified	stigma color	colm Angle	strength	shattering	Flag Angle
*	J-1						
*	J-2						
*	J-3						
*	J-4	✓	✓				
*	J-5	✓	✓				
*	J-6						
*	J-7						
*	J-8						
*	J-9						
*	J-10						
*	J-11						
*	J-12						
*	J-13	✓	✓				
*	J-14	✓	✓				
	J-15	No plants.					
*	J-16						
*	J-17						
*	J-18	✓	✓				
*	J-19	✓	✓				
*	J-20	✓	✓				
*	J-21						
*	J-22	✓	✓				
*	J-23						
*	J-24						
*	J-25	✓	✓				
*	J-26						
*	J-27	✓	✓				
*	J-28						
*	J-29						
*	J-30						

Culm Height

Peduncle Length

Panicle Length

43,44,45,48,44			18-L
43,49,49,48,51			28-L
49,51,48,48,48			38-L
40,39,43,38,35			48-L
41,46,34,42,41			58-L
37,37,40,36,34			68-L
38,37,38,40,34			78-L
42,45,49,47,46			88-L
56,43,58,47,51			98-L
49,46,39,44,50			108-L
37,34,38,32,34			118-L
40,42,43,44,41			128-L
48,47,46,48,45			138-L
46,49,51,47,48			148-L
55,53,53,55,57			158-L
49,53,53,53,53			168-L
33,35,33,31,34			178-L
35,33,34,32,32			188-L
39,41,40,43,42			198-L
35,34,37,34,40			208-L
35,40,42,41,41			218-L
46,51,54,53,55			228-L
48,49,47,47,49			238-L
31,30,33,37,33			248-L
52,45,53,44,44			258-L
36,34,36,32,39			268-L
45,45,47,41,47			278-L
50,43,38,37,48			288-L
49,53,51,53,52			298-L

Classified

Stigma Color

Culm Angle

Strength

Shattering

Flag Angle

*	J- 31
*	J- 32
*	J- 33
*	J- 34
*	J- 35
*	J- 36
*	J- 37
*	J- 38
*	J- 39
*	J- 40
*	J- 41
*	J- 42
*	J- 43
*	J- 44
*	J- 45
*	J- 46
*	J- 47
*	J- 48
*	J- 49
*	J- 50
*	J- 51
*	J- 52
*	J- 53
*	J- 54
*	J- 55
*	J- 56
*	J- 57
*	J- 58
*	J- 59
*	J- 60

✓

✓

✓

✓

Culm Height

Peduncle Length

Particle Length

41, 45, 44, 47, 49	10-L
45, 44, 45, 48, 45	50-L
37, 44,	80-L
47, 54, 48, 50, 48	40-L
50, 45, 50, 48, 51	55-L
42, 40, 39, 40, 43	20-L
47, 47, 46, 48, 48	70-L
47, 43, 46, 48, 46	80-L
47, 48, 46, 49, 48	60-L
56, 48, 56, 53, 58	00-L
47, 47, 48, 48, 48	10-L
47, 53, 52, 52, 52	10-L
47, 46, 50, 56, 48	20-L
51, 51, 43, 50, 54	30-L
52, 53, 53, 53, 54	40-L
43, 46, 48, 45, 51	50-L
41, 38, 42, 45, 50	60-L
51, 49, 50, 50, 49	70-L
45, 48, 49, 51, 51	80-L
55, 50, 53, 45, 54	90-L
55, 54, 51, 51, 53	00-L
43, 45, 50, 45, 49	10-L
49, 54, 54, 55, 53	20-L
54, 56, 52, 56, 54	30-L
51, 53, 53, 54, 54	40-L
54, 56, 53, 54, 54	50-L
46, 50, 43, 50, 45	60-L
45, 46, 48, 47, 45	70-L
48, 45, 49, 47, 47	80-L
49, 52, 50, 53, 55	90-L

classified

Stigma Color

Culm Angle

Strength

Shattering

Flag Angle

*	J- 61					
*	J- 62					
*	J- 63					
*	J- 64					
*	J- 65					
*	J- 66					
*	J- 67					
*	J- 68					
*	J- 69					
*	J- 70					
*	J- 71					
*	J- 72					
*	J- 73					
*	J- 74					
*	J- 75					
*	J- 76					
*	J- 77					
*	J- 78					
*	J- 79					
*	J- 80					
*	J- 81					
*	J- 82					
*	J- 83					
*	J- 84					
*	J- 85					
*	J- 86					
*	J- 87					
*	J- 88					
*	J- 89					
*	J- 90					

Colm Height

Reduncle Length

Panicle Length

miped type

63,64,62,61,59

53,50,55,56,49

48,50,46,46,48

47,52,55,53,48

51,55,56,55,56

59,55,57,58,57

51,57,56,54,56

55,56,54,57,56

53,53,52,50,52

51,54,52,53,51

55,55,59,60,58

58,55,58,56,57

24,27,29,25,25

56,59,55,54,58

53,54,53,52,50

50,54,50,49,56

51,54,52,52,52

52,50,50,53,52

51,49,51,49,54

52,43,48,51,48

47,49,51,49,47

53,54,55,56,52

56,54,55,54,53

56,50,55,53,57

52,47,45,51,54

54,53,57,53,52

49,51,53,56,52

53,52,54,52,49

57,56,52,55,59

49,49,49,52,53

classified

Stigma Color

Culm Angle

Strength

Shattering

Flag Angle

- * J-91
- * J-92
- * J-93
- * J-94
- * J-95
- * J-96
- * J-97
- * J-98
- * J-99
- * J-100
- * J-101
- * J-102
- * J-103
- * J-104
- * J-105
- * J-106
- * J-107
- * J-108
- * J-109
- * J-110
- * J-111
- * J-112
- * J-113
- * J-114
- * J-115
- * J-116
- * J-117
- * J-118
- * J-119
- * J-120

Culm Height

Peduncle Length

Panicle Length

45, 45, 45, 50, 45		
52, 51, 48, 48, 51		
51, 55, 50, 47, 49		
48, 50, 48, 49, 51		
56, 49, 53, 53, 53		
49, 55, 49, 53, 53		
51, 44, 49, 53, 56		
51, 49, 54, 49, 49		
51, 53, 54, 52, 55		
48, 46, 48, 50, 47		
50, 52, 46, 54, 51		
51, 50, 51, 55, 51		
46, 51, 51, 54, 49		
51, 47, 52, 50, 51		
49, 47, 50, 52, 53		
50, 57, 54, 53, 50		
42, 51, 50, 45, 50		
44, 43, 45, 47, 47		
57, 56, 57, 54, 55		
53, 52, 53, 50, 50		
58, 60, 63, 50, 61		
54, 51, 46, 55, 49		
52, 52, 53, 50, 51		
53, 54, 50, 56, 54		
51, 52, 53, 56, 53		
54, 53, 54, 56, 55		
47, 45, 46, 46, 48		
52, 49, 50, 52, 52		
50, 48, 52, 52, 53		
51, 55, 54, 51, 52		

classified

Stigma Color

culm Angle

Strength

Shattering

Flag Angle

- * J-121
- * J-122
- * J-123
- * J-124
- * J-125
- * J-126
- * J-127
- * J-128
- * J-129
- * J-130
- * J-131
- * J-132
- * J-133
- * J-134
- * J-135
- * J-136
- * J-137
- * J-138
- * J-139
- * J-140
- * J-141
- * J-142
- * J-143
- * J-144
- * J-145
- * J-146
- * J-147
- * J-148
- * J-149
- * J-150

Culm Height

Peduncle Length

Panicle Length

55,53,50,50,56		
50,50,56,54,53		
53,54,54,52,54		
54,54,53,53,49		
49,51,49,55,53		
49,52,52,45,49		
54,51,50,50,49		
52,52,52,51,55		
52,51,55,51,56		
52,53,53,55,58		
55,53,56,53,52		
55,56,55,52,55		
55,56,54,51,57		
52,55,59,56,54		
53,57,56,56,58		
53,55,56,57,57		
53,51,52,53,52		
54,57,57,57,57		
50,46,47,46,49		
49,47,55,50,50		
45,47,42,47,45		
52,44,52,50,47		
43,42,47,51,44		
51,46,47,46,48		
47,44,46,46,47		
47,46,43,46,44		
43,40,40,47,38		
41,45,43,44,45		
53,52,52,51,47		
42,38,43,45,42		

Classified

Stigma color

culm Angle

Strength

Shattering

Flag Angle

*	J-151					
*	J-152					
*	J-153					
*	J-154					
*	J-155					
*	J-156					
*	J-157					
*	J-158					
*	J-159					
*	J-160					
*	J-161					
*	J-162					
*	J-163					
*	J-164					
*	J-165					
*	J-166					
*	J-167					
*	J-168					
*	J-169					
*	J-170					
*	J-171					
*	J-172					
*	J-173					
*	J-174					
*	J-175					
*	J-176					
*	J-177					
*	J-178					
*	J-179					
*	J-180					

Culm Height

Panicum Length

Panicum Length

48,49,44,44,46			281-2
49,48,49,46,50			281-2
45,45,41,43,47			281-2
43,43,42,41,46			281-2
48,43,48,48,51			281-2
55,52,53,47,57			281-2
49,55,52,47,50			281-2
53,56,57,56,55			281-2
54,53,55,53,53			281-2
54,55,53,55,55			281-2
57,56,59,57,60			281-2
53,52,54,54,52			281-2
51,52,50,54,46			281-2
51,56,51,55,52			281-2
48,51,49,48,49			281-2
57,57,55,55,54			281-2
56,57,52,56,60			281-2
59,60,58,59,58			281-2
55,56,57,60,62			281-2
52,60,59,60,60			281-2
62,62,53,59,59			281-2
52,45,45,49,44			281-2
57,60,55,56,54			281-2
58,56,54,54,55			281-2
61,54,63,61,58			281-2
59,60,54,61,61			281-2
57,58,55,58,58			281-2
63,61,60,61,57			281-2
62,59,63,59,59			281-2
54,58,56,55,55			281-2

classified.

Stigma Color

Culm Angle

Strength

Shattering

Flag Angle

* J-181
* J-182
* J-183
* J-184
* J-185
* J-186
* J-187
* J-188
* J-189
* J-190
* J-191
* J-192
* J-193
* J-194
* J-195
* J-196
* J-197
* J-198
* J-199
* J-200
* J-201
* J-202
* J-203
* J-204
* J-205
* J-206
* J-207
* J-208
* J-209
* J-210

Culm Height

Reduncle Length

Panicle Length

56,58,58,57,52

56,58,56,56,63

57,50,55,59,54

51,53,57,46,52

59,54,54,53,56

55,55,56,52,52

59,52,56,57,61

57,58,54,54,56

51,55,51,56,54

55,51,50,54,51

54,50,49,49,52

46,51,52,50,50

53,46,49,51,54

49,51,47,47,45

49,50,52,46,46

45,52,52,48,49

42,42,47,46,47

55,53,50,49,47

53,49,51,56,48

58,53,56,56,58

51,52,50,54,51

50,53,52,52,54

53,58,51,59,56

50,58,52,57,51

57,56,55,55,56

52,52,50,47,53

54,54,47,52,45

50,47,51,49,50

59,60,53,53,56

56,56,57,57,57

Classified

Stigma Color

Culm Angle

Strength

Shattering

Flag Angle

*	J-211					
*	J-212					
*	J-213					
*	J-214					
*	J-215					
*	J-216					
*	J-217					
*	J-218					
*	J-219					
*	J-220					
*	J-221					
?	J-222					
*	J-223					
*	J-224					
*	J-225					
*	J-226					
*	J-227					
*	J-228					
*	J-229					
*	J-230					
*	J-231					
*	J-232					
*	J-233					
*	J-234					
*	J-235					
*	J-236					
*	J-237					
*	J-238					
*	J-239					
*	J-240					

Culm Height

Peduncle Length

Panicle Length

52, 48, 52, 52, 53		
52, 49, 48, 46, 45		
57, 54, 53, 53, 54		
55, 55, 56, 57, 53		
54, 58, 51, 55, 56		
49, 49, 48, 49, 47		
52, 53, 53, 50, 49		
49, 50, 52, 48, 49		
46, 44, 46, 42, 43		
37, 37, 36, 40, 41		
50, 51, 49, 47, 49		
59, 51, 60, 60, 61		
55, 54, 54, 51, 51		
52, 49, 54, 54, 52		
54, 53, 49, 54, 53		
55, 55, 50, 56, 54		
53, 55, 55, 55, 61		
51, 57, 52, 49, 53		
48, 44, 45, 46, 50		
52, 48, 51, 51, 51		
52, 53, 52, 50, 51		
51, 49, 52, 56, 55		
48, 50, 52, 49, 52		
54, 55, 55, 52, 56		
53, 53, 54, 54, 56		
48, 47, 50, 49, 48		
45, 46, 45, 45, 44		
42, 45, 45, 48, 43		
55, 58, 55, 54, 53		
46, 42, 43, 42, 46		

classified

Stigma Color

Culm Angle

Strength

Shattering

Flag Angle

*	J-241						
*	J-242						
*	J-243						
*	J-244						
*	J-245						
*	J-246						
*	J-247						
*	J-248						
*	J-249						
*	J-250						
*	J-251						
*	J-252						
*	J-253						
*	J-254						
*	J-255						
*	J-256						
*	J-257						
*	J-258						
*	J-259						
*	J-260						
*	J-261						
*	J-262						
*	J-263						
*	J-264						
*	J-265						
*	J-266						
*	J-267						
*	J-268						
*	J-269						
*	J-270						

Colm Height

Peduncle Length

Panicum Length

59, 54, 56, 54, 56
50, 48, 47, 47, 47
47, 48, 50, 48, 49
47, 44, 43, 45, 43
32, 33, 34, 32, 31
48, 51, 46, 48, 51
43, 47, 48, 46, 48
53, 50, 51, 50, 51
50, 54, 51, 50, 50
52, 52, 54, 51, 52
57, 52, 51, 54, 53
57, 53, 57, 58, 56
45, 46, 44, 45, 45
50, 57, 58, 48, 49
49, 51, 50, 47, 49
47, 43, 43, 43, 49
57, 56, 55, 57, 54
53, 57, 52, 53, 52
57, 50, 52, 53, 49
55, 50, 52, 50, 49
57, 54, 51, 52, 52
53, 53, 56, 52, 52
55, 55, 53, 49, 53
43, 46, 47, 48, 47
45, 43, 44, 44, 42
62, 58, 63, 62, 64
55, 51, 52, 52, 53
53, 51, 48, 49, 51
51, 51, 53, 51, 50
51, 48, 50, 48, 51

classified

sigma Color

Colm Angle

Strength

Shattering

Flag Angle

*	J-271					
*	J-272					
*	J-273					
*	J-274					
*	J-275					
*	J-276					
*	J-277					
*	J-278					
*	J-279					
*	J-280					
*	J-281					
*	J-282					
*	J-283					
*	J-284					
*	J-285					
*	J-286					
*	J-287					
*	J-288					
*	J-289					
*	J-290					
*	J-291					
*	J-292					
*	J-293					
*	J-294					
*	J-295					
*	J-296					
*	J-297					
*	J-298					
*	J-299					
*	J-300					

Culm Height

Panicle Length

Panicle Length

58, 51, 51, 53, 53
 50, 48, 48, 51, 51
 49, 48, 46, 46, 46
 50, 46, 46, 43, 48
 47, 45, 47, 48, 46
 54, 55, 55, 56, 57
 56, 52, 58, 59, 56
 54, 49, 49, 53, 52
 49, 55, 52, 53, 54
 52, 54, 52, 52, 58
 52, 53, 54, 53, 53
 55, 56, 54, 57, 54
 47, 51, 49, 47, 52
 50, 49, 48, 49, 48
 52, 48, 50, 50, 56
 50, 48, 55, 50, 51
 55, 51, 52, 51, 53
 49, 48, 54, 50, 52
 48, 50, 47, 47, 49
 53, 54, 48, 52, 50
 48, 52, 47, 51, 52
 52, 52, 50, 53, 56
 51, 52, 50, 53, 51
 41, 44, 47, 47, 48
 48, 48, 51, 50, 51
 50, 48, 49, 51, 51
 43, 41, 41, 41, 44
 48, 50, 51, 49, 47
 55, 55, 53, 50, 48
 47, 46, 45, 46, 47

108-2

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Classified

Stigma Color

Culm Angle

Strength

Shattering

Flag Angle

*	J- 301						
*	J- 302						
*	J- 303						
*	J- 304						
*	J- 305						
*	J- 306						
*	J- 307						
*	J- 308						
*	J- 309						
*	J- 310						
*	J- 311						
*	J- 312						
*	J- 313						
*	J- 314						
*	J- 315						
*	J- 316						
*	J- 317						
*	J- 318						
*	J- 319						
*	J- 320						
*	J- 321						
*	J- 322						
*	J- 323						
*	J- 324						
*	J- 325						
*	J- 326						
*	J- 327						
*	J- 328						
*	J- 329						
*	J- 330						

Culm Height

Reduncle Length

Panicle Length

54, 54, 50, 52, 52			182-7	*
38, 41, 43, 41, 41			582-7	*
43, 42, 43, 44, 37			282-7	*
54, 56, 54, 55, 54			482-7	*
57, 53, 53, 51, 50			782-7	*
54, 54, 52, 50, 52			282-7	*
53, 55, 53, 54, 56			782-7	*
48, 46, 46, 48, 43			882-7	*
52, 51, 54, 50, 50			982-7	*
57, 57, 56, 57, 58			982-7	*
51, 49, 46, 48, 47			1182-7	*
53, 50, 52, 49, 51			2182-7	*
54, 50, 52, 52, 52			2182-7	*
55, 56, 53, 55, 53			2182-7	*
50, 51, 51, 49, 51			2182-7	*
58, 56, 57, 53, 54			2182-7	*
58, 53, 53, 50, 56			2182-7	*
49, 51, 53, 50, 49			2182-7	*
53, 50, 51, 50, 52			2182-7	*
54, 52, 51			0222-7	*
53, 56, 57, 51, 53			1822-7	*
48, 50, 44, 44, 48			5722-7	*
53, 54, 52, 51, 50			7722-7	*
43, 41, 44, 44, 42			4822-7	*
54, 47, 50, 49, 51			6222-7	*
58, 52, 52, 59, 55			8222-7	*
60, 51, 54, 57, 58			7222-7	*
59, 64, 57, 60, 61			8222-7	*
53, 52, 49, 51, 47			9222-7	*
54, 55, 53, 52, 54			0222-7	*

Classified

Stigma Color

Culm Angle

Strength

Shattering

Flag Angle

*	J- 331					
*	J- 332					
*	J- 333					
*	J- 334					
*	J- 335					
*	J- 336					
*	J- 337					
*	J- 338					
*	J- 339					
*	J- 340					
*	J- 341					
*	J- 342					
*	J- 343					
*	J- 344					
*	J- 345					
*	J- 346					
*	J- 347					
*	J- 348					
*	J- 349					
*	J- 350					
*	J- 351					
*	J- 352					
*	J- 353					
*	J- 354					
*	J- 355					
*	J- 356					
*	J- 357					
*	J- 358					
*	J- 359					
*	J- 360					

Culm Height

Peduncle Length

Panicle Length

50, 50, 51, 52, 50
60, 56, 57, 56, 53
51, 51, 49, 50, 49
59, 53, 55, 51, 56
64, 60, 58, 60, 57
53, 51, 48, 53, 55
65, 61, 59, 61, 65
58, 54, 50, 52, 59
45, 43, 42, 45, 43
57, 52, 54, 53, 52
55, 50, 57, 50, 51
48, 49, 52, 51, 51
54, 55, 51, 54, 48
53, 50, 51, 47, 49
52, 49, 52, 46, 49
57, 61, 63, 58, 57
56, 54, 55, 54, 58
56, 57, 57, 57, 55
61, 60, 55, 64, 65
53, 55, 53, 54, 50
54, 53, 51, 50, 55
52, 49, 51, 46, 45
58, 66, 59, 55, 52
50, 56, 54, 53, 51
62, 62, 55, 51, 57
47, 42, 47, 45, 48
47, 52, 48, 48, 50
44, 44, 42, 42, 40
58, 51, 52, 55, 54
58, 57, 52, 51, 50

138 - L
238 - L
338 - L
438 - L
538 - L
638 - L
738 - L
838 - L
938 - L
1038 - L
1138 - L
1238 - L
1338 - L
1438 - L
1538 - L
1638 - L
1738 - L
1838 - L
1938 - L
2038 - L
2138 - L
2238 - L
2338 - L
2438 - L
2538 - L
2638 - L
2738 - L
2838 - L
2938 - L
3038 - L
3138 - L
3238 - L
3338 - L
3438 - L
3538 - L
3638 - L
3738 - L
3838 - L
3938 - L
4038 - L
4138 - L
4238 - L
4338 - L
4438 - L
4538 - L
4638 - L
4738 - L
4838 - L
4938 - L
5038 - L
5138 - L
5238 - L
5338 - L
5438 - L
5538 - L
5638 - L
5738 - L
5838 - L
5938 - L
6038 - L
6138 - L
6238 - L
6338 - L
6438 - L
6538 - L
6638 - L
6738 - L
6838 - L
6938 - L
7038 - L
7138 - L
7238 - L
7338 - L
7438 - L
7538 - L
7638 - L
7738 - L
7838 - L
7938 - L
8038 - L
8138 - L
8238 - L
8338 - L
8438 - L
8538 - L
8638 - L
8738 - L
8838 - L
8938 - L
9038 - L
9138 - L
9238 - L
9338 - L
9438 - L
9538 - L
9638 - L
9738 - L
9838 - L
9938 - L

classified

Stigma Color

Colm Angle

Strength

Shattering

Play Angle

* J- 361						
* J- 362						
* J- 363						
* J- 364						
* J- 365						
* J- 366						
* J- 367						
* J- 368						
* J- 369						
* J- 370						
* J- 371						
* J- 372						
* J- 373						
* J- 374						
* J- 375						
* J- 376						
* J- 377						
* J- 378						
* J- 379						
* J- 380						
* J- 381						
* J- 382						
* J- 383						
* J- 384						
* J- 385						
* J- 386						
* J- 387						
* J- 388						
* J- 389						
* J- 390						

Culm Height

Rebuncle Length

Panicle Length

50, 56, 55, 51, 51
55, 57, 47, 59, 53
55, 51, 49, 49, 50
52, 57, 51, 47, 51
58, 55, 51, 52, 50
51, 49, 44, 46, 44
55, 53, 52, 54, 50
57, 52, 49, 51, 49
61, 53, 56, 54, 59
52, 48, 52, 52, 49
52, 50, 50, 48, 47
52, 50, 51, 45, 49
55, 47, 52, 49, 49
53, 50, 51, 51, 49
59, 59, 57, 54, 53
54, 50, 53, 56, 54
53, 51, 51, 51, 52
53, 50, 51, 50, 52
55, 53, 55, 52, 50
54, 57, 57, 51, 53
62, 51, 56, 54, 53
49, 54, 55, 53, 49
57, 57, 55, 56, 55
53, 48, 51, 52, 52
50, 51, 51, 52, 50
53, 53, 51, 52, 50
52, 52, 53, 49, 55
54, 50, 53, 51, 50
52, 46, 48, 49, 51
52, 48, 51, 53, 49

classified

Stigma Color

Colm Angle

Strength

Shattering

Flag Angle

*	J- 391					
*	J- 392					
*	J- 393					
*	J- 394					
*	J- 395					
*	J- 396					
*	J- 397					
*	J- 398					
*	J- 399					
*	J- 400					
*	J- 401					
*	J- 402					
*	J- 403					
*	J- 404					
*	J- 405					
*	J- 406					
*	J- 407					
*	J- 408					
*	J- 409					
*	J- 410					
*	J- 411					
*	J- 412					
*	J- 413					
*	J- 414					
*	J- 415					
*	J- 416					
*	J- 417					
*	J- 418					
*	J- 419					
*	J- 420					

Culm Height

Peduncle Length

Panicle Length

55, 53, 53, 47, 52		
59, 53, 49, 50, 56		
56, 57, 54, 53, 53		
49, 49, 51, 46, 49		
57, 51, 50, 49, 50		
57, 54, 48, 47, 47		
51, 52, 47, 50, 50		
54, 51, 46, 47, 51		
49, 50, 46, 50, 44		
51, 50, 56, 52, 48		
41, 40, 39, 40, 41		
42, 47, 47, 35, 42		
50, 47, 45, 43, 46		
41, 43, 38, 45, 40		
45, 43, 43, 39, 42		
41, 38, 40, 40, 36		
47, 47, 49, 47, 47		
50, 44, 50, 47, 46		
50, 48, 49, 48, 50		
51, 49, 52, 53, 49		
51, 45, 46, 48, 46		
55, 56, 55, 51, 56		
46, 47, 45, 46, 46		
53, 53, 57, 58, 57		
49, 50, 54, 44, 54		
50, 53, 53, 48, 55		
53, 50, 50, 51, 49		
50, 51, 53, 47, 50		
52, 53, 51, 51, 50		
52, 55, 55, 53, 55		

Classified

Stigma Color

Colm Angle

Strength

Shattering

Flag Angle

- * J-421
- * J-422
- * J-423
- * J-424
- * J-425
- * J-426
- * J-427
- * J-428
- * J-429
- * J-430
- * J-431
- * J-432
- * J-433
- * J-434
- * J-435
- * J-436
- * J-437
- * J-438
- * J-439
- * J-440
- * J-441
- * J-442
- * J-443
- * J-444
- * J-445
- * J-446
- * J-447
- * J-448
- * J-449
- * J-450

Culm Height

Peduncle Length

Panicle Length

52, 53, 51, 49, 51		
56, 53, 52, 52, 54		
52, 57, 52, 54, 55		
46, 44, 46, 45, 46		
51, 45, 47, 45, 44		
49, 50, 46, 44, 47		
49, 49, 51, 50, 51		
47, 48, 49, 48, 48		
45, 46, 44, 48, 42		
49, 51, 53, 50, 52		
54, 56, 54, 58, 56		
53, 53, 51, 53, 53		
58, 58, 58, 57, 60		
50, 51, 51, 53, 55		
52, 52, 54, 52, 52		
50, 56, 49, 56, 54		
55, 52, 54, 52, 51		
55, 55, 59, 55, 53		
51, 54, 54, 57, 54		
44, 45, 41, 45, 44		
53, 55, 55, 52, 54		
49, 48, 49, 48, 47		
49, 47, 50, 47, 50		
50, 49, 43, 43, 49		
53, 45, 46, 47, 49		
51, 45, 49, 44, 45		
51, 45, 49, 44, 45		
45, 50, 47, 43, 46		
46, 43, 47, 45, 48		
46, 44, 42, 48, 46		

Classified

Stigma Color

Colm Angle

Strength

Shattering

Flag Angle

* J-451						
* J-452						
* J-453						
* J-454						
* J-455						
* J-456						
* J-457						
* J-458						
* J-459						
* J-460						
* J-461						
* J-462						
* J-463						
* J-464						
* J-465						
* J-466						
* J-467						
* J-468						
* J-469						
* J-470						
* J-471						
* J-472						
* J-473						
* J-474						
* J-475						
* J-476						
* J-477						
* J-478						
* J-479						
* J-480						

Culm Height

Peduncle Length

Panicle Length

47, 44, 48, 47, 47			181-2	*
44, 40, 48, 44, 45			181-2	*
48, 47, 50, 50, 54			181-2	*
48, 50, 49, 51, 51			181-2	*
52, 47, 46, 48, 45			181-2	*
45, 49, 46, 51, 51			181-2	*
48, 47, 49, 48, 48			181-2	*
49, 47, 51, 50, 47			181-2	*
45, 47, 50, 50, 47			181-2	*
54, 52, 55, 56, 54			181-2	*
52, 49, 53, 52, 53			181-2	*
55, 56, 60, 57, 58			181-2	*
54, 52, 57, 57, 55			181-2	*
53, 56, 58, 51, 55			181-2	*
54, 59, 60, 63, 54			181-2	*
51, 57, 56, 61, 59			181-2	*
54, 53, 45, 59, 63			181-2	*
50, 51, 59, 59, 55			181-2	*
50, 52, 48, 51, 51			181-2	*
54, 53, 50, 52, 51			181-2	*
57, 52, 52, 56, 55			181-2	*
54, 57, 55, 57, 56			181-2	*
46, 45, 44, 46, 46			181-2	*
51, 47, 48, 47, 48			181-2	*
47, 47, 51, 49, 49			181-2	*
53, 51, 52, 50, 49			181-2	*
48, 49, 49, 49, 48			181-2	*
52, 51, 50, 50, 50			181-2	*
48, 44, 46, 47, 46			181-2	*
36, 36, 36, 39, 37			181-2	*

Classified

Stigma Color

Culm Angle

Strength

Shattering

Flag Angle

* J-481					
* J-482					
* J-483					
* J-484					
* J-485					
* J-486					
* J-487					
* J-488					
* J-489					
* J-490					
* J-491					
* J-492					
* J-493					
* J-494					
* J-495					
* J-496					
* J-497					
* J-498					
* J-499					
* J-500					
* J-501					
* J-502					
* J-503					
* J-504					
* J-505					
* J-506					
* J-507					
* J-508					
* J-509					
* J-510					

Culm Height

Peduncle Length

Panicle Length

50, 50, 51, 49, 53		
49, 49, 47, 50, 51		
58, 53, 56, 53, 55		
53, 53, 51, 51, 52		
52, 50, 53, 55, 56		
53, 54, 52, 54, 55		
52, 54, 52, 54, 53		
58, 51, 52, 55, 54		
47, 44, 45, 41, 45		
44, 43, 45, 46, 49		
44, 40, 41, 38, 41		
46, 47, 45, 44, 47		
44, 46, 48, 46, 44		
50, 50, 50, 50, 47		
41, 40, 42, 39, 40		
42, 41, 41, 42, 41		
50, 54, 50, 53, 49		
51, 50, 50, 50, 50		
57, 58, 54, 55, 59		
45, 44, 48, 45, 44		
46, 42, 41, 45, 45		
48, 46, 45, 48, 47		
48, 44, 48, 46, 50		
50, 52, 48, 48, 49		
55, 53, 55, 57, 54		
31, 31, 31, 32, 31		
47, 47, 51, 48, 45		
46, 42, 48, 43, 43		
46, 48, 51, 45, 48		
37, 40, 40, 38, 38		

classified

Stigma Color

Culm Angle

Strength

Shattering

Flag Angle

* J- 511					
* J- 512					
* J- 513					
* J- 514					
* J- 515					
* J- 516					
* J- 517					
* J- 518					
* J- 519					
* J- 520					
* J- 521					
* J- 522					
* J- 523					
* J- 524					
* J- 525					
* J- 526					
* J- 527					
* J- 528					
* J- 529					
* J- 530					
* J- 531					
* J- 532					
* J- 533					
* J- 534					
* J- 535					
* J- 536					
* J- 537					
* J- 538					
* J- 539					
* J- 540					

Colm Height

Reduncle Length

Panicle Length

40, 41, 43, 41, 41			142-7
51, 52, 52, 52, 50			142-7
52, 53, 54, 54, 53			142-7
53, 52, 52, 52, 53			142-7
51, 48, 49, 51, 48			142-7
48, 49, 50, 47, 49			142-7
53, 49, 50, 50, 50			142-7
51, 48, 49, 49, 49			142-7
59, 56, 64, 62, 63			142-7
50, 42, 48, 45, 46			142-7
49, 46, 46, 52, 47			142-7
48, 46, 49, 50, 50			142-7
47, 51, 49, 53, 51			142-7
51, 53, 51, 50, 50			142-7
51, 51, 52, 54, 49			142-7
52, 51, 51, 53, 49			142-7
51, 52, 49, 50, 55			142-7
59, 57, 58, 55, 59			142-7
49, 50, 52, 52, 50			142-7
51, 51, 48, 51, 46			142-7
49, 49, 48, 50, 49			142-7
50, 50, 50, 53, 52			142-7
53, 53, 47, 47, 54			142-7
51, 50, 51, 52, 50			142-7
58, 57, 57, 55, 60			142-7
56, 59, 59, 59, 61			142-7
60, 58, 60, 63, 59			142-7
53, 51, 54, 45, 48			142-7
45, 43, 46, 45, 48			142-7
40, 39, 37, 41, 46			142-7

Classified

Stigma Color

Calm Angle

Strength

Shattering

Flag Angle

* J- 541						
* J- 542						
* J- 543						
* J- 544						
* J- 545						
* J- 546						
* J- 547						
* J- 548						
* J- 549						
* J- 550						
* J- 551						
* J- 552						
* J- 553						
* J- 554						
* J- 555						
* J- 556						
* J- 557						
* J- 558						
* J- 559						
* J- 560						
* J- 561						
* J- 562						
* J- 563						
* J- 564						
* J- 565						
* J- 566						
* J- 567						
* J- 568						
* J- 569						
* J- 570						

Culm Height

Peduncle Length

Panicle Length

52, 52, 46, 50, 49		
63, 64, 64, 67, 66		
64, 66, 63, 63, 59		
64, 62, 62, 64, 65		
69, 67, 58, 61, 65		
69, 66, 59, 58, 61		
54, 51, 48, 51, 45		
55, 54, 54, 56, 55		
59, 63, 62, 62, 61		
57, 60, 59, 55, 58		
64, 70, 65, 65, 67		
45, 50, 46, 48, 52		
49, 53, 54, 49, 54		
56, 57, 55, 53, 51		
53, 52, 48, 46, 57		
61, 64, 64, 62, 60		
45, 46, 48, 48, 47		
49, 47, 50, 47, 50		
57, 47, 55, 49, 51		
53, 54, 48, 55, 48		
65, 65, 64, 63, 60		
49, 45, 47, 48, 49		
55, 50, 52, 46, 51		
48, 43, 50, 50, 53		
52, 53, 60, 51, 53		
52, 50, 50, 49, 51		
57, 55, 53, 54, 57		
60, 60, 60, 62, 58		
49, 49, 49, 50, 50		
52, 52, 48, 52, 52		

classified

Stigma Color

Culm Angle

Strength

Shattering

Flag Angle

* J-571						
* J-572						
* J-573						
* J-574						
* J-575						
* J-576						
* J-577						
* J-578						
* J-579						
* J-580						
* J-581						
* J-582						
* J-583						
* J-584						
* J-585						
* J-586						
* J-587						
* J-588						
* J-589						
* J-590						
* J-591						
* J-592						
* J-593						
* J-594						
* J-595						
* J-596						
597						
598						

Culm Height

Peduncle Length

Panicle Length

50, 46, 51, 50, 47

55, 58, 61, 61, 53

50, 50, 51, 49, 49

46, 48, 48, 45, 47

57, 53, 57, 56, 56

57, 57, 58, 56, 51

51, 47, 48, 50, 50

49, 49, 49, 48, 50

43, 45, 43, 45, 46

48, 46, 45, 45, 45

50, 49, 50, 49, 51

53, 53, 52, 51, 50

49, 50, 51, 49, 48

53, 54, 51, 47, 50

45, 44, 45, 48, 48

53, 56, 51, 53, 55

50, 47, 48, 48, 49

47, 44, 44, 44, 45

47, 47, 49, 52, 49

47, 47, 49, 49, 50

47, 48, 52, 48, 48

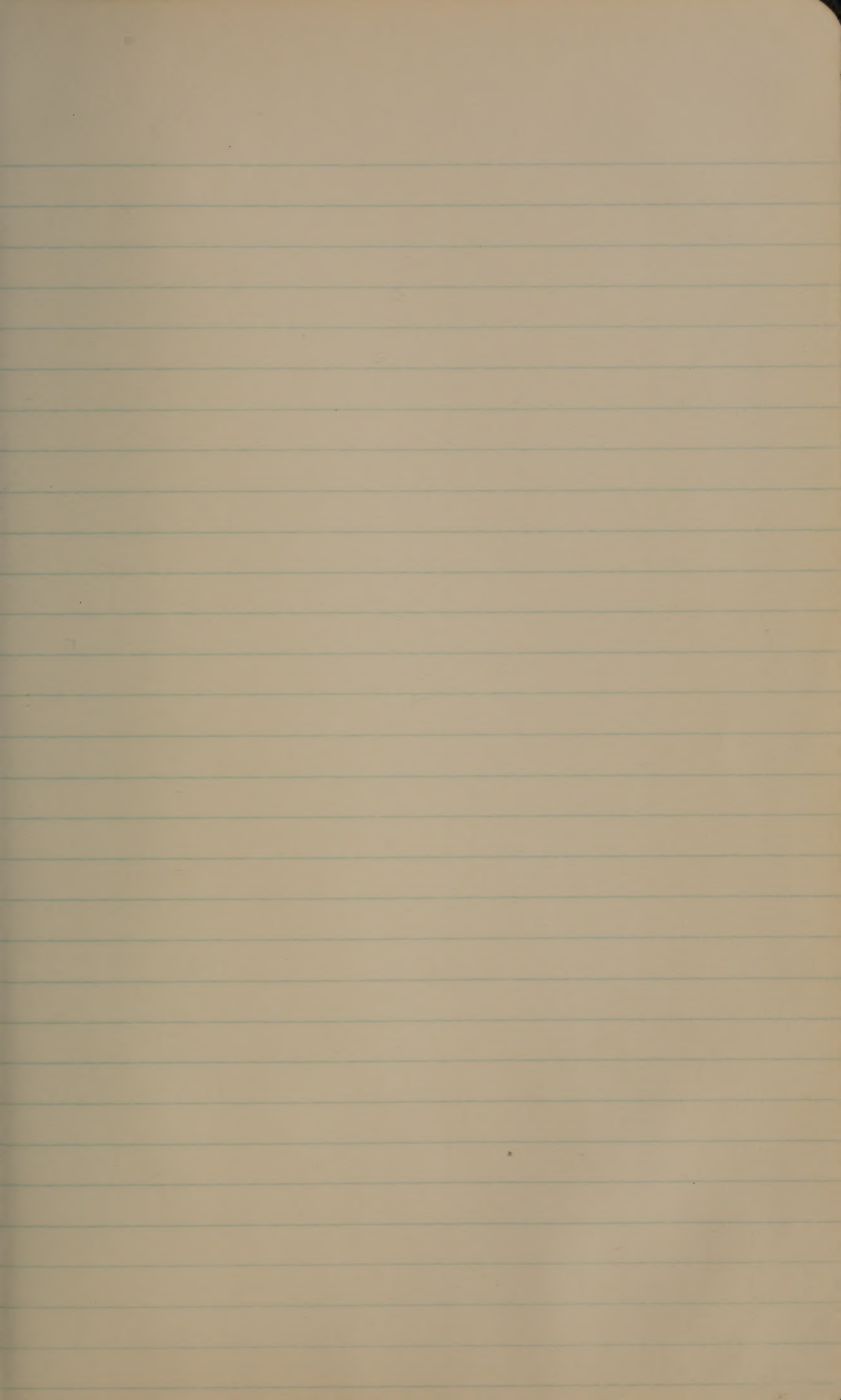
43, 43, 40, 41, 39

61, 51, 57, 53, 51

49, 51, 50, 51, 54

56, 55, 55, 57, 56

39, 38, 35, 37, 38



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* = harvested

		Classified	Stigma color	Angle, Culm	Strength	Shattering	Flag Angle
*	1	✓	white	1	3	2	2
*	2	✓	✓	✓	2	2	✓
*✓	3			2	1	3	1
*✓	4			2	3	2	
*	5	✓	✓	✓	2	2	✓
*	6	✓	✓	✓	2	1	✓
*	7	✓	✓	2	2	3	2
*	8	✓	✓	✓	3	2	✓
*	9	✓	✓	2	2	3	2
*	10	✓	✓	2	3	2	2
*	11	✓	✓	2	2	2	2
*	12	✓	✓	✓	2	1	✓
*	13	✓	✓	✓	2	3	✓
*	14	✓	✓	2	2	3	1
*✓	15				1		
*✓	16			2	2	2	2
*✓	17						
*	18	✓	✓	2	2	2	2
*	19	✓	✓	2	2	3	2
*	20	✓	✓	2	2	3	3
*	21	✓	✓	2	3	2	2
*	22	✓	✓	✓	2	1	✓
*✓	23			2	2	1	2
*✓	24			2	1	2	2
*	25	✓	✓	2	2	2	3
*	26	✓	✓	1	1	1	2
*	27	✓	✓	1	1	1	1
*	28	✓	✓	1	1	1	1
*✓	29			2	1	1	2
*	30	✓	✓	1	2	1	3

Culm Height

Peduncle Length

Panicle Length

48, 48, 52, 52, 45	✓	✓	18
✓	✓	✓	58
✓			58
53, 53, 52, 55, 54			18
46, 48, 50, 49, 48			mixed types
43, 49, 49, 48, 47			38
✓	✓	✓	58
59, 62, 64, 61, 62			88
✓	✓	✓	98
✓	✓	✓	01
55, 54, 56, 55, 55	✓	✓	18
46, 43, 42, 41, 46			51
✓	✓	✓	13
✓	✓	✓	14
41, 42, 48, 48, 45			12
✓	✓	✓	34
✓	✓	✓	71
✓	✓	✓	81
✓	✓	✓	81
✓	✓	✓	80
44, 48, 49, 48, 48	✓	✓	18
33, 34, 35, 34, 39	✓	✓	38
✓	✓	✓	88
39, 39, 39, 40, 39			18
58, 55, 55, 55, 50			58
62, 61, 67, 64, 65			88
27, 28, 29, 30, 30			78
25			88
43, 43, 45, 44, 45			98
42, 48, 49, 49			08
✓			

		Classified	Stima Color	Culm Angle	Strength	Shattering	Flag Angle
*	31	✓	✓	1	1	1	1
*✓	32			2	2	2	2
*	33	✓	✓	1	1	1	1
*✓	34	✓	✓	✓	1	1	✓
*✓	35	✓	✓	1	1	2	2
	36	No plants					
*	37	✓	✓	2	2	3	2
*	38	✓	✓	1	1	1	1
	39	No plants					
	40	"	"				
	41	"	"				
	42	"	"				
*	43	✓	✓	1	1	1	1
	44	No plants					
*	45	✓	✓	2	2	3	2
*	46	✓	✓	2	3	3	2
*	47	✓	✓	2	2	1	2
*	48	✓	✓	✓	1	1	✓
	49	No plants					
*	50	✓	✓	2	1	1	2
*	51	✓	✓	✓	1	1	✓
*	52	✓	✓	✓	1	2	✓
*	53	✓	✓	✓	1	1	✓
*	54	✓	✓	✓	1	1	✓
*✓	55	✓		2	2	1	
*	56	✓	✓	✓	1	1	✓
*✓	57			2	2	1	2
*✓	58				3	2	2
*	59	✓	✓	✓	1	1	✓
*	60	✓	✓	✓	1	1	✓

Culm Height

Peduncle length

Panicle length

✓	✓	✓	18
51, 49, 48, 46, 51			85
19, 20, 20, 20, 20			83
✓	✓	✓	84
43			82
			88
✓	✓	✓	87
21, 20, 23, 20, 23			88
			89
			90
			91
			95
25, 23, 26, 28, 26			93
			94
✓	✓	✓	92
✓	✓	✓	96
45, 44, 45, 44, 42	✓	✓	97
✓	✓	✓	98
			99
46, 44, 40, 46, 44			80
✓	✓	✓	81
41, 42, 42, 43, 42			85
39, 41, 43, 42, 44			83
40, 39, 42, 43, 42			84
✓	✓	✓	82
46, 47, 48, 47, 44			86
42, 44, 46, 51, 59			87
42, 40, 45			88
40, 40, 40			89
42, 42, 38, 39, 42			90

		classified	stigma Color	culm Angle	strength	shattering	flag Angle
*	61	✓	✓	✓	2	2	✓
* ✓	62						
*	63	✓	✓	2	3	2	2
* ✓	64						
*	65	✓	✓	2	2	2	2
*	66	✓	✓	✓	3	2	✓
*	67	✓	✓	✓	3	2	✓
*	68	✓	✓	2	3	3	2
*	69	✓	✓	✓	3	2	✓
*	70	✓	✓	✓	3	2	✓
* ✓	71				2	1	2
*	72	✓	✓	✓	3	2	✓
*	73	✓	✓	✓	3	2	✓
*	74	✓	✓	✓	3	2	✓
*	75	✓	✓	✓	3	2	✓
*	76	✓	✓	2	3	3	2
*	77	✓	✓	✓	3	2	✓
*	78	✓	✓	✓	3	2	✓
* ✓	79	✓	✓	✓	3	2	✓
* ✓	80						
*	81	✓	✓	✓	3	2	✓
*	82	✓	✓	2	2	1	2
*	83	✓	✓	✓	2	2	✓
*	84	✓	✓	2	2	2	2
*	85	✓	✓	2	1	1	2
*	86	✓	✓	2	2	3	2
*	87	✓	✓	✓	3	3	1
*	88	✓	✓	1	1	1	2
*	89	✓	✓	✓	3	3	✓
* ✓	90			2	2	1	3

Culm Height

Peduncle Length

Panicle Length

51, 49, 47, 47, 49

✓

✓

✓

✓

✓

✓

64, 65, 64, 63, 64

✓

✓

✓

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✓

✓

56, 55, 64, 66, 65

✓

60, 59, 60, 61, 61

✓

✓

✓

✓

50, 44, 49, 45, 50

55, 57, 56, 56, 60

✓

43, 42, 41, 44, 42

✓

✓

✓

✓

50, 51, 55, 53, 50

Lodging study!

Lodging study!

		classified	stigma color	culm Angle	strength	shattering	flag Angle
*	91	✓	✓	✓	✓	3	✓
* ✓	92				2	2	2
*	93	✓	✓	✓	2	2	2
	94	No plants					
*	95	✓	✓	1	1	1	2
*	96	✓	✓	2	3	3	1
*	97	✓	✓	✓	3	3	✓
*	98	✓	✓	2	3	2	1
*	99	✓	✓	2	3	2	2
*	100	✓	✓	✓	2	3	2
*	101	✓	✓	✓	3	3	✓
*	102	✓	✓	2	3	2	2
*	103	✓	✓	2	2	2	2
*	104	✓	✓	2	3	2	3
*	105	✓	✓	1	2	3	2
* ✓	106			1	2	2	3
	107	No plants					
*	108	✓	✓	2	3	2	1
*	109	✓	✓	2	3	2	2
*	110	✓	✓	2	3	2	2
*	111	✓	✓	2	3	2	1
*	112	✓	✓	1	2	2	3
*	113	✓	✓	1	2	2	3
*	114	✓	✓	✓	2	2	1
	115	No plants					
*	116	✓	✓	1	3	2	2
*	117	✓	✓	1	3	1	2
*	118	✓	✓	✓	3	1	✓
*	119	✓	✓	2	3	2	2
*	120	✓	✓	2	3	2	3

Culm Height

Peduncle length

Panicle length

40, 41, 43, 43, 43

30, 29, 30, 32, 33

✓

181

43, 40, 47, 42, 43

181

41, 44, 47, 45

181

✓

✓

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181

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181

✓

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181

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181

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181

37, 39, 42, 38, 41

38, 33, 39, 37, 31

✓

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✓

38, 38, 39, 43, 36

24, 27, 26, 25, 25

101

✓

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101

56, 52, 55, 59, 56

✓

✓

101

59, 51, 56, 56, 56

✓

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101

✓

44, 40, 38, 33, 37

25, 26, 27, 25, 27

101

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42, 45, 48, 49, 47

✓

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57, 57, 55, 60, 57

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60, 55, 57, 56, 59

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		classified	sigma	Color	Culm Angle	strength	shattering	Flag Angle
*	121	✓	✓		2	2	3	2
*	122	✓	✓		2	2	3	2
*	123	✓	✓		2	3	3	2
*	124	✓	✓	✓	3	3	1	
*	125	✓	✓		2	2	2	2
* ✓	126				2	1	2	2
* ✓	127				3	2	3	2
	128	No plants						
*	129	✓	✓		2	2	3	2
* ✓	130				1	2	2	2
*	131	✓	✓	✓	1	1	1	2
*	132	✓	✓		1	3	3	2
*	133	✓	✓		2	2	3	2
*	134	✓	✓		2	2	3	2
*	135	✓	✓		2	2	1	3
*	136	✓	✓	✓	2	2	2	2
*	137	✓	✓	✓	✓	1	1	✓
*	138	✓	✓		1	1	1	2
* ✓	139					2	2	2
* ✓	140				2	1	2	2
*	141	✓	✓		2	3	2	1
*	142	✓	✓		2	2	3	2
* ✓	143							
*	144	✓	✓	✓		3	1	2
*	145	✓	✓	✓		3	2	1
*	146	✓	✓	✓		3	2	✓
*	147	✓	✓	✓		3	2	✓
*	148	✓	✓		2	3	2	2
*	149	✓	✓		2	3	2	2
*	150	✓	✓		2	3	3	2

Culm Height

Peduncle length

Panicle length

51, 52, 49, 54, 52	37, 36, 34, 35, 38	22, 23, 23, 23, 24	181	4
✓	✓	✓	181	1
✓	✓	✓	181	1
✓	✓	✓	181	1
✓	✓	✓	181	1
45, 46, 44, 46, 49			181	1
60, 57, 59, 61, 58			181	1
			181	1
✓	✓	✓	181	1
✓	✓	✓	181	1
✓	✓	✓	181	1
✓	✓	✓	181	1
✓	✓	✓	181	1
✓	✓	✓	181	1
44, 42, 48, 47, 48			181	1
52, 55, 55, 59, 60			181	1
41, 41, 44, 43, 44	38, 40, 40, 36, 36	23, 20, 22, 20, 21	181	1
47, 44, 45, 45, 41	42, 34, 36, 34, 35	19, 17, 18, 16, 19	181	1
✓	✓	✓	181	1
✓	✓	✓	181	1
✓	✓	✓	181	1
✓	✓	✓	181	1
✓	✓	✓	181	1
✓	✓	✓	181	1
54, 55, 60, 58, 56			181	1
53, 51, 54, 54, 52			181	1
42, 45, 44, 55, 45	✓	✓	181	1
✓	✓	✓	181	1
✓	✓	✓	181	1
55, 47, 55, 54, 55	38, 38, 44, 43, 43	✓	181	1

		classified	stigma Color	culm Angle	strength	shattering	Flag Angle
*	151	✓	✓	✓	2	2	2
*	152	✓	✓	✓	2	3	2
*	153	✓	✓	✓	1	1	1
*	154	✓	✓	✓	2	2	✓
*	155	✓	✓	2	2	3	2
*	156	✓	✓	✓	1	1	✓
* ✓	157			2	2	2	2
*	158	✓	✓	✓	2	3	✓
*	159	✓	✓	✓	2	1	3
*	160	✓	✓	✓	2	2	✓
*	161	✓	✓	✓	3	3	✓
*	162	✓	✓	✓	3	1	2
*	163	✓	✓	✓	2	2	2
*	164	✓	✓	✓	1	1	2
* ✓	165			1	2	3	1
*	166	✓	✓	✓	✓	1	✓
*	167	✓	✓	✓	✓	1	✓
* ✓	168			2	2	2	2
*	169	✓	✓	✓	1	1	2
*	170	✓	✓	✓	1	1	2
* ✓	171			2	2	2	2
*	172	✓	white	3	2	3	1
*	173	✓	✓	✓	1	1	3
*	174	✓	✓	✓	2	1	✓
*	175	✓	✓	✓	1	1	2
*	176	✓	✓	✓	2	1	✓
*	177	✓	✓	✓	1	1	2
*	178	✓	✓	✓	✓	1	✓
*	179	✓	✓	✓	2	2	2
*	180	✓	✓	✓	2	2	✓

Culm Height

Peduncle Length

Panicle Length

✓	✓	✓	181
✓	✓	✓	181
47, 52, 46, 48, 49			181
✓	✓	✓	181
✓	✓	✓	181
✓	✓	✓	181
✓	✓	✓	181
58, 59, 55			181
✓	✓	✓	181
✓	✓	✓	181
✓	✓	✓	181
45, 46, 47, 47, 45			181
50, 50, 52, 49, 50			181
40, 40, 39, 39, 39			181
✓	✓	✓	181
✓	✓	✓	181
39, 40, 39, 36, 33			181
52, 53, 53, 51, 52			181
39, 37, 39, 40, 38	✓	✓	181
✓	✓	✓	181
37, 37, 37, 38			181
41, 41, 42, 47, 46			181
✓			181
✓	✓	✓	181
42, 40, 40, 37, 40			181
42, 50, 48, 47, 43			181
41, 37, 38, 40, 41			181
36, 38, 39, 36, 35	35, 35, 32, 33, 37.	✓	181
53, 50, 53, 55, 51			181
✓	✓	✓	181

classified stigma Color Culm Angle strength Shattering Flag Angle

181	✓	✓	✓	2	2	2
182	✓	✓	✓	3	2	2
183	✓	✓	✓	2	2	3
184	✓	✓	✓	2	3	✓
185	✓	✓	✓	3	3	✓
186	✓	✓	✓	3	3	✓
187	✓	✓	✓	✓	✓	✓
188	✓	✓	✓	3	2	✓
189	✓	✓	✓	3	2	✓
190	✓	✓	✓	3	2	✓
191			1	2	3	2
192	✓	✓	✓	3	2	✓
193	✓	✓	✓	3	2	✓
194	✓	✓	✓	3	2	✓
195	✓	✓	✓	1	2	3
196	✓	✓	✓	3	2	✓
197	✓	✓	✓	3	2	✓
198	✓	✓	✓	2	2	✓
199	✓	✓	✓	3	2	✓
200	✓	✓	✓	3	2	3
201			2	3	3	1
202			2	3	3	2
203	✓	✓	✓	3	3	2
204	✓	✓	✓	1	1	3
205	✓	✓	✓	3	3	✓
206	✓	✓	✓	3	2	2
207	✓	✓	✓	2	1	2
208	✓	✓	✓	2	1	✓
209	✓	✓	✓	1	1	✓
210	✓	✓	✓	3	2	3

Culm Height

Peduncle Length

Panicle Length

✓	✓	✓	143
✓	✓	✓	243
✓	✓	✓	243
53, 55, 52, 59, 57	✓	✓	443
41, 42, 43, 43, 40			643
✓	✓	✓	843
45, 37, 38, 38, 31	34, 34, 34, 33 35	✓	743
52, 53, 51, 54, 52	✓	✓	843
✓	✓	✓	943
✓	✓	✓	043
51, 49, 55, 53, 52			143
✓	✓	✓	243
✓	✓	✓	343
✓	✓	✓	443
40, 37, 42, 40, 40			543
✓	✓	✓	643
✓	✓	✓	743
✓	✓	✓	843
✓	✓	✓	943
✓	✓	✓	043
✓	✓	✓	143
✓	✓	✓	243
43, 43, 44, 45, 44			343
✓	✓	✓	443
50, 50, 42, 54, 55			543
✓	✓	✓	643
46, 50, 46, 44, 47	✓	✓	743
32, 36, 36, 34, 35		✓	843
✓	✓	✓	943

Classified
Stigma Color
Culm Angle
Strength
Shattering
Flag Angle

*	211	✓	✓	✓	1	1	✓
*	212	✓	✓	✓	2	3	✓
*	213	✓	✓	✓	2	3	2
*	214	✓	✓	✓	3	3	2
*	215	✓	✓	✓	2	2	2
*	216	✓	✓	✓	2	3	2
*	217	✓	✓	✓	1	1	2
*	218	✓	✓	✓	2	3	1
*	219	✓	✓	✓	1	2	2
*	220	✓	✓	✓	1	1	2
*	221	✓	✓	✓	1	2	2
*	222	✓	✓	✓	1	1	✓
*	223	✓	✓	✓	1	1	✓
*	224	✓	✓	✓	1	1	✓
*	225	✓	✓	✓	1	1	✓
*	226	✓	✓	✓	1	1	✓
*	227	✓	✓	✓	1	2	✓
*	228	✓	✓	✓	1	2	✓
*	229	✓	✓	✓	1	1	✓
*	230	✓	✓	✓	1	1	✓
*	231	✓	✓	✓	1	1	✓
*	232	✓	✓	✓	1	1	✓
*	233	✓	✓	✓	1	2	3
*	234	✓	✓	✓	1	1	✓
*	235	✓	✓	✓	1	1	✓
*	236	✓	✓	✓	2	3	✓
*	237	✓	✓	✓	2	2	✓
*	238	✓	✓	✓	2	2	✓
*	239	✓	✓	✓	1	1	✓
*	240	✓	✓	✓	1	2	✓

Culm Height

Peduncle length

Panicle length

✓	✓	✓	185
✓	✓	✓	185
✓	✓	✓	185
✓	✓	✓	185
46, 49, 49, 48, 47			185
✓	✓	✓	185
49, 53, 49, 54, 53			185
✓	✓	✓	185
✓	✓	✓	185
✓	✓	✓	185
✓	✓	✓	185
✓	✓	✓	185
✓	✓	✓	185
✓	✓	✓	185
✓	✓	✓	185
✓	✓	✓	185
✓	✓	✓	185
✓	✓	✓	185
✓	✓	✓	185
✓	✓	✓	185
✓	✓	✓	185
✓	✓	✓	185
49, 49, 48, 47, 50			185
✓	✓	✓	185
43, 45, 47, 48, 45			185
✓	✓	✓	185
✓	✓	✓	185
✓	✓	✓	185

		classified	stigma color	Culm Angle	Strength	Shattering	Flag Angle
*	241	✓	✓	✓	1	2	✓
*	242	✓	✓	✓	1	2	✓
*	243	✓	✓	✓	1	1	✓
*	244	✓	✓	1	2	1	✓
*	245	✓	✓	✓	2	1	✓
*	246	✓	✓	✓	2	1	✓
*	247	✓	✓	✓	1	2	✓
*	248	✓	✓	✓	2	1	✓
*	249	✓	✓	✓	2	1	✓
*	250	✓	✓	✓	2	3	✓
*	251	✓	✓	✓	2	1	✓
*	252	✓	✓	✓	3	2	✓
* ✓	253	✓	✓	1	2	3	2
*	254	✓	✓	✓	3	2	✓
*	255	✓	✓	✓	3		✓
*	256	✓	✓	✓	3	✓	✓
*	257	✓	✓	✓	3	2	✓
*	258	✓	✓	✓	2	3	✓
*	259	✓	✓	✓	✓	✓	✓
*	260	✓	✓	✓	1	1	✓
*	261	✓	✓	✓	3	✓	✓
	262	No plants					
* ✓	263			2	2	1	1
*	264	✓	✓	✓	1	1	✓
*	265	✓	✓	✓	2	2	1
*	266	✓	✓	✓	3	2	✓
*	267	✓	✓	✓	3	3	✓
*	268	✓	✓	✓	2	1	✓
*	269	✓	✓	✓	3	2	✓
* ✓	270			2	2	2	1

Culm Height

Peduncle Length

Panicle Length

✓	✓	✓	175
✓	✓	✓	175
✓	✓	✓	175
✓	✓	✓	175
✓	✓	✓	175
✓	✓	✓	175
✓	✓	✓	175
✓	✓	✓	175
✓	✓	✓	175
✓	✓	✓	175
57, 50, 52, 50, 48	✓	✓	175
✓	✓	✓	175
✓	✓	✓	175
✓	✓	✓	175
60, 61, 60, 63, 64	✓	✓	175
✓	✓	✓	175
✓	✓	✓	175
46, 49, 46, 52, 48	✓	✓	175
40, 41, 41, 42, 41	30, 35, 37, 36, 34	✓	175
✓	✓	✓	175
✓	✓	✓	175
39, 40, 41, 41, 39	37, 36, 36, 35, 36	17, 18, 18, 17, 18	175
✓	✓	✓	175
✓	✓	✓	175
✓	✓	✓	175
48, 48, 50, 48, 50	39, 45, 45, 40, 43	19, 23, 23, 20, 19	175
✓	✓	✓	175
50, 51, 52, 46, 48			175

classified

Stigma Color

Culm Angle

Strength

Shattering

Flag Angle

*	271	✓	✓	✓	2	2	2
*	272	✓	✓	✓	2	1	✓
*	273	✓	✓	✓	2	3	✓
* ✓	274				3	3	
*	275	✓	✓	✓	3	2	2
*	276	✓	✓	✓	2	2	✓
* ✓	277			2	2	2	2
*	278	✓	✓	✓	3	✓	✓
*	279	✓	✓	✓	3	✓	✓
*	280	✓	✓	✓	✓	✓	✓
* ✓	281			2	2	2	2
*	282	✓	✓	✓	3	✓	✓
*	283	✓	✓	✓	3	✓	✓
*	284	✓	✓	✓	3	✓	✓
* ✓	285				3	2	
*	286	✓	✓	✓	2	✓	✓
*	287	✓	✓	✓	2	✓	✓
*	288	✓	✓	✓	2	✓	✓
*	289	✓	✓	✓	3	✓	✓
*	290	✓	✓	✓	3	2	✓
*	291	✓	✓	✓	2	✓	✓
*	292	✓	✓	✓	2	✓	✓
*	293	✓	✓	✓	2	2	✓
*	294	✓	✓	✓	1	1	✓
*	295	✓	✓	✓	1	✓	✓
*	296	✓	✓	✓	3	✓	✓
*	297	✓	✓	✓	3	✓	✓
*	298	✓	✓	✓	1	1	✓
*	299	✓	✓	✓	3	2	✓
*	300	✓	✓	✓	2	3	✓

Corm Height

Peduncle length

Panicle length

✓	✓	✓	108
✓	✓	✓	878
✓	✓	✓	858
✓	✓	✓	108
✓	✓	✓	268
✓	✓	✓	308
✓	✓	✓	378
✓	✓	✓	408
✓	✓	✓	808
33, 42, 42, 38, 42	33, 36, 33, 32, 33	✓	818
✓	✓	✓	818
✓	✓	✓	818
✓	✓	✓	818
✓	✓	✓	818
✓	✓	✓	818
✓	✓	✓	818
55, 54, 51, 52, 54		✓	818
✓	✓	✓	818
56, 62, 64, 56, 59	✓	✓	818
✓	✓	✓	888
✓	✓	✓	881
✓	✓	✓	888
67, 60, 60, 62, 61		✓	888
✓	✓	✓	888
✓	✓	✓	888
44, 48, 45, 44, 43	✓	✓	888
51, 47, 49, 48, 49		✓	888
✓	✓	✓	888
64, 60, 63, 63, 65		✓	888
49, 47, 46, 48, 50	35, 36, 40, 36, 35	✓	888

mixed; det. on
purple types

		classified	stigma color	colm Angle	strength	shattering	Flag Angle
* ✓	301				3	2	2
*	302	✓	✓	✓	1	1	✓
*	303	✓	✓	✓	1	1	✓
*	304	✓	✓	✓	3	2	✓
*	305	✓	✓	✓	3	2	✓
*	306	✓	✓	✓	2	2	✓
*	307	✓	✓	✓	1	1	✓
*	308	✓	✓	✓	1	1	✓
	309	No plants					
	310	"	"				
*	311	✓	✓	✓	2	1	✓
*	312	✓	✓	✓	2	✓	✓
* ✓	313			2	1	1	2
*	314	✓	✓	✓	3	✓	✓
*	315	✓	✓	✓	2	3	✓
* ✓	316			2	2	3	1
*	317	✓	✓	✓	3	✓	✓
*	318	✓	✓	✓	3	✓	✓
*	319	✓	✓	✓	3	✓	✓
*	320	✓	✓	✓	2	1	✓
*	321	✓	✓	✓	3	✓	✓
*	322	✓	✓	✓	2	3	✓
*	323			2	3	2	2
*	324			2	3	2	2
*	325	✓	✓	✓	✓	✓	✓
*	326	✓	✓	✓	3	✓	✓
*	327	✓	✓	✓	2	3	✓
* ✓	328			2	3	3	
*	329	✓	✓	✓	3	2	✓
*	330	✓	✓	✓	1	3	✓

Colm Height

Peduncle Length

Panicle Length

✓	✓	✓	158
40, 40, 39, 42, 40	✓	✓	578
52, 46, 47, 46, 46			808
54, 50, 50, 50, 51			108
59, 58, 58, 58, 56	✓	✓	588
38, 47, 45, 42, 44			888
38, 39, 40, 37, 36			588
49, 46, 44 ✓	✓	✓	888
			888
			018
✓	✓	✓	118
63, 61, 60, 60, 60	✓	✓	818
38, 34			2 plants
55, 59, 54, 58, 60	✓	✓	808
51, 50, 52, 51, 49	✓	✓	218
✓	✓	✓	818
54, 58, 53, 57, 58	✓	✓	588
67, 65, 67, 65, 62	✓		818
59, 63, 61, 59, 64			818
49, 45,			008
52, 55, 51, 53, 51	✓	✓	188
61, 58, 59, 57, 54	✓	✓	888
67, 63, 62, 63, 64			888
63, 63, 65, 65, 67			188
46, 51, 48, 49, 47	41, 42, 43, 38, 42	✓	288
55, 52, 60, 54, 57	✓	✓	888
49, 48, 44, 46, 46	✓	✓	588
✓	✓	✓	888
✓	✓	✓	888
46, 43, 47, 45, 45	✓	✓	088

	Classified	Stigma Color	Culm Angle	Strength	Shattering	Flag Angle
* 331	✓	✓	✓	2	3	✓
* 332	✓	✓	✓	3	✓	✓
* 333	✓	✓	✓	3	✓	✓
* 334	✓	✓	✓	3	✓	✓
* 335	✓	✓	✓	2	3	✓
* 336	✓	✓	✓	2	2	✓
* ✓ 337			2	3	2	2
* 338	✓	✓	✓	2	3	✓
* 339	✓	✓	✓	3	2	✓
* 340	✓	✓	✓	3	✓	✓
* 341	✓	✓	✓	2	1	2
* 342	✓	✓	✓	2	3	✓
* 343	✓	✓	✓	3	✓	✓
* 344	✓	✓	✓	2	3	✓
* 345	✓	✓	✓	2	2	2
* 346	✓	✓	✓	1	✓	✓
* 347	✓	✓	✓	1	✓	✓
* 348	✓	✓	✓	3	✓	✓
* ✓ 349			2	1	3	1
* 350	✓	✓	✓	1	1	✓
* 351	✓	✓	✓	2	1	✓
no plants 352	No plants					
* 353	✓	✓	✓	2	1	2
* 354	✓	✓	✓	✓	✓	✓
* 355	✓	✓	2	1	1	3
* 356	✓	✓	✓	1	1	2
* 357	✓	✓	✓	1	1	✓
* 358	✓	✓	✓	2	3	✓
* 359	✓	✓	✓	2	✓	✓
* 360	✓	✓	✓	2	3	1

Colm Height

Peduncle Length

Panicle Length

✓	✓	✓	118
✓	✓	✓	108
✓	✓	✓	108
✓	✓	✓	108
45, 50, 48, 46, 51	35, 37, 36, 32, 35	23, 23, 21, 23, 22	108
✓	✓	✓	108
✓	✓	✓	108
✓	✓	✓	108
✓	✓	✓	108
✓	✓	✓	108
✓	✓	✓	108
57, 52, 54, 51, 50	43, 40, 43, 36, 36	✓	108
✓	✓	✓	108
✓	✓	✓	108
✓	✓	✓	108
49, 47, 50, 47, 48			108
51, 51, 54, 52, 54			108
✓	✓	✓	108
✓	✓	✓	108
✓	✓	✓	108
52, 52, 54, 50, 50			108
✓	✓	✓	108
✓	✓	✓	108
41, 42, 46, 44, 45	42, 43, 41, 35, 40	22, 22, 21, 21, 20	108
✓	✓	✓	108
✓	✓	✓	108
55			108
✓	✓	✓	108
✓	✓	✓	108

		Classified	Stigma Color	Culm Angle	Strength	Shattering	Flag Angle
* ✓	361			2	1	3	1
*	362	✓	✓	✓	3	✓	✓
*	363	✓	✓	✓	3	✓	✓
*	364	✓	✓	✓	3	✓	✓
*	365	✓	✓	✓	3	✓	✓
*	366	✓	✓	✓	3	✓	✓
* ✓	367			2	2	2	2
no plant	368	No plants					
*	369	✓	✓	✓	3	3	✓
*	370	✓	✓	✓	3	✓	✓
*	371	✓	✓	✓	2	3	✓
*	372	✓	✓	✓	2	2	✓
*	373	✓	✓	✓	3	1	✓
*	374	✓	✓	✓	3	✓	✓
*	375	✓	✓	✓	3	✓	✓
*	376	✓	✓	✓	3	✓	✓
*	377	✓	✓	✓	3	✓	✓
*	378	✓	✓	✓	2	2	✓
*	379	✓	✓	✓	2	1	✓
*	380	✓	✓	✓	1	2	✓
*	381	✓	✓	✓	3	2	2
*	382	✓	✓	✓	3	2	2
*	383	✓	✓	✓	✓	✓	✓
*	384	✓	✓	✓	2	2	✓
*	385	✓	✓	✓	2	1	2
*	386	✓	✓	2	3	3	2
*	387	✓	✓	✓	3	✓	✓
	388	No plants					
*	389	✓	✓	✓	2	1	✓
*	390	✓	✓	✓	3	✓	2

Culm Height

Peduncle Length

Panicle Length

✓	✓	✓	188
✓	✓	✓	222
✓	✓	✓	288
✓	✓	✓	108
✓	✓	✓	288
✓	✓	✓	308
✓	✓	✓	288
			288
61, 59, 55, 56, 59	49, 48, 47, 46, 41	✓	028
53, 52, 53, 52, 50			078
✓	✓	✓	108
58, 59, 56, 57, 56			208
✓	✓	✓	208
✓	✓	✓	108
✓	✓	✓	208
59, 61, 58, 57, 58			308
✓	✓	✓	208
✓	✓	✓	208
48, 51, 48, 50, 50			208
41, 43, 41, 42, 41			018
✓	✓	✓	118
✓			818
45, 44, 42, 43, 46	37, 37, 38, 36, 36	✓	288
✓	✓	✓	218
50, 50, 49, 45, 42			288
44, 46, 46, 48, 44	33, 37, 36, 34, 34	✓	218
55, 51, 56, 55, 53	✓	✓	118
			818
✓	✓	✓	218
45, 47, 49, 51, 49	40, 37, 37, 37, 39	✓	088

	classified	stigma color	culm angle	strength	shattering	flag angle
* 391	✓	✓	✓	1	1	✓
* 392	✓	✓	✓	1	1	✓
* 393	✓	✓	✓	1	✓	✓
* 394	✓	✓	✓	2	2	2
* 395	✓	✓	✓	3	✓	✓
* 396	✓	✓	✓	2	2	2
* ✓ 397				3	2	
* ✓ 398				3	2	
* 399	✓	✓	✓	3	✓	✓
* 400	✓	✓	✓	2	✓	✓
* 401	✓	✓	✓	2	✓	✓
* 402	✓	✓	✓	1	1	✓
* 403	✓	✓	✓	1	✓	✓
* 404	✓	✓	✓	1	✓	✓
no plant 405	No plants					
* 406	✓	✓	✓	3	✓	✓
* 407	✓	✓	✓	3	✓	✓
* 408	✓	✓	✓	1	✓	✓
* 409	✓	✓	✓	3	✓	✓
* 410	✓	✓	✓	2	✓	✓
* 411	✓	✓	✓	2	✓	✓
* 412	✓	✓	✓	3	✓	✓
* 413	✓	✓	✓	2	✓	✓
* 414	✓	✓	✓	3	✓	✓
* 415	✓	✓	✓	3	✓	✓
* 416	✓	✓	✓	3	3	✓
* 417	✓	✓	✓	✓	1	2
* 418	✓	✓	✓	2	✓	✓
* 419	✓	✓	✓	1	1	2
* 420	✓	✓	✓	1	3	2

Culm Height

peduncle length

panicle length

✓	✓	✓	151	*
✓	✓	✓	152	*
53, 53, 56, 53, 52			153	*
✓	✓	✓	154	*
✓	✓	✓	155	*
✓	✓	✓	156	*
✓	✓	✓	157	*
56, 52, 55, 57, 57	✓	✓	158	*
✓			159	*
✓	✓	✓	160	*
✓	✓	✓	161	*
49, 47, 47, 51, 49			162	*
✓	✓	✓	163	*
40, 37, 39, 38, 36	35, 37, 35, 36, 37	19, 19, 18, 17, 21	164	*
✓		✓	165	*
✓	✓	✓	166	*
46, 46, 49, 47, 42		✓	167	*
✓	✓	✓	168	*
✓	✓	✓	169	*
55, 56, 49, 50, 56	41, 44, 40, 37, 43	✓	170	*
44, 45, 44, 44, 45	37, 37, 36, 32, 38	✓	171	*
61, 56, 57, 55, 59		✓	172	*
60, 60, 57, 58, 56			173	*
✓	✓	✓	174	*
✓	✓	✓	175	*
✓	✓	✓	176	*
37, 37, 39, 37, 39	35, 37, 34, 36, 33	17, 18, 17, 19, 17	177	*
57, 56, 62, 57, 58			178	*
✓	✓	✓	179	*
✓	✓	✓	180	*

	Classified	Stigma Color	Culm Angle	Strength	Shattering	Flag Angle
* 421	✓	✓	✓	3	2	3
* 422	✓	✓	✓	3	✓	✓
* 423	✓	✓	✓	3	✓	✓
* 424	✓	✓	✓	2	✓	✓
* 425	✓	✓	2	2	3	2
* 426	✓	✓	✓	3	2	✓
* 427	✓	✓	2	2	3	3
* 428	✓	✓	✓	3	2	2
* 429	✓	✓	✓	3	2	2
* 430	✓	✓	✓	2	✓	✓
* 431	✓	✓	✓	3	✓	✓
* 432	✓	✓	✓	2	✓	✓
* 433	✓	✓	✓	3	3	2
* 434	✓	✓	✓	1	1	2
* 435	✓	✓	✓	2	✓	2
* 436	✓	✓	✓	1	✓	✓
* 437	✓	✓	2	1	1	2
* 438	✓		2	2	2	2
* 439	✓	✓	2	3	✓	✓
* 440	✓	✓	✓	3	✓	✓
* 441	✓	✓	✓	3	✓	✓
* 442	✓	✓	2	2	3	2
* 443	✓	✓	✓	3	✓	✓
* 444	✓	✓	✓	3	✓	✓
* 445	✓	✓	✓	2	3	1
* 446	✓	✓	2	2	3	2
* 447	✓	✓	✓	1	1	✓
* 448	✓		1	1	2	2
* 449	✓	✓	✓	1	✓	✓
* 450	✓	✓	✓	1	2	✓

Culm Height

Peduncle length

Panicle length

✓	✓	✓	158	7
✓	✓	✓	161	8
✓	✓	✓	163	9
✓	✓	✓	164	10
✓	✓	✓	165	11
54, 55, 51, 53, 50	✓	✓	166	12
✓	✓	✓	167	13
✓	✓	✓	168	14
64, 66, 65, 60, 64	✓	✓	169	15
✓	✓	✓	170	16
✓	✓	✓	171	17
✓	✓	✓	172	18
✓	✓	✓	173	19
43, 44, 47, 47, 47	✓	✓	174	20
✓	✓	✓	175	21
40, 41, 39, 44, 42	✓	✓	176	22
42, 42, 44, 43, 44	✓	✓	177	23
44, 42, 40, 43, 40	✓	✓	178	24
38, 36, 36, 36, 34	35, 34, 37, 35, 33	✓	179	25
✓	✓	✓	180	26
✓	✓	✓	181	27
43, 46, 46, 46, 48	34, 39, 40, 39, 39	✓	182	28
✓	✓	✓	183	29
✓	✓	✓	184	30
48, 51, 46, 49, 45	34, 35, 37, 35, 37	✓	185	31
56, 56, 58, 55, 55	42, 41, 45, 39, 43	✓	186	32
✓	✓	✓	187	33
55, 55, 54, 50, 51	✓	✓	188	34
43, 42, 42, 41, 42	✓	✓	189	35
✓	✓	✓	190	36

		classified	stigma Color	Colm Angle	strength	shattering	Flag Angle
*	451	✓	✓	✓	2	✓	✓
*	452	✓	✓	✓	2	1	2
*	453	✓	✓	✓	1	1	2
*	454	✓	✓	✓	3	✓	✓
*	455	✓	✓	✓	3	✓	✓
*	456	✓	✓	✓	2	1	✓
*	457	✓	✓	✓	3		✓
*	458	✓	✓	✓	3	✓	✓
* ✓	459			1	1	2	2
*	460	✓	✓	✓	2	2	2
*	461	✓	✓	✓	3	✓	✓
*	462	✓	✓	✓	2	✓	✓
*	463	✓	✓	✓	3	✓	✓
*	464	✓	✓	✓	1	1	✓
*	465	✓	✓	2	2	3	2
*	466	✓	✓	1	1	1	2
*	467	✓	✓	1	1	2	2
*	468	✓	✓	1	1	2	2
*	469	✓	✓	✓	2	1	2
*	470	✓	✓	2	2	3	1
*	471	✓	✓	✓	1	1	2
*	472	✓	✓	✓	3	✓	✓
*	473	✓	✓	2	3	1	2
*	474	✓	✓	2	2	3	3
*	475	✓	✓	✓	3	✓	✓
*	476	✓	✓	✓	3	✓	✓
*	477	✓	✓	✓	2	2	✓
*	478	✓	✓	✓	2	✓	✓
*	479	✓	✓	2	2	3	2
*	480	✓	✓	2	2	3	2

Culm Height

peduncle length

Panicle length

53, 51, 53, 50, 49

✓

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53, 56, 54, 56, 54

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50, 52, 52, 52, 52

41, 44, 40, 43, 43

✓

40, 41, 42, 39, 39

37, 39, 39, 39, 34

18, 19, 20, 19, 17

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44, 47, 47, 45, 48

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62, 64, 62, 58, 60

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63, 62, 64, 59, 63

44, 49, 46, 50, 47

55, 59, 63, 60, 64

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✓

		classified	sigma Color	Colm Angle	Strength	Shattering	Flag Angle
*✓	481				2	2	2
*	482	✓	✓	2	2	3	2
*	483	✓	✓	✓	2	1	✓
*	484	✓	✓	✓	1	✓	✓
*✓	485				2	3	2
*	486	✓	✓	✓	3	✓	✓
*	487	✓	✓	✓	1	1	2
*	488	✓	✓	2	1	1	2
*	489	✓	✓	✓	3	✓	✓
*	490	✓	✓	✓	3	✓	✓
*	491	✓	✓	2	3	3	3
*	492	✓	✓	✓	1	✓	✓
*	493	✓	✓	2	2	3	2
*	494	✓	✓	✓	1	2	2
*	495	✓	✓	3	2	3	2
no plant	496	No plants					
*	497	✓	✓	✓	1	1	2
*	498	✓	✓	✓	1	1	✓
*	499	✓	✓	✓	1	1	✓
*	500	✓	✓	2	1	2	2
*	501	✓	✓	2	2	3	1
*	502	✓	✓	✓	2	✓	✓
*	503	✓	✓	✓	3	✓	✓
*	504	✓		1	1	2	2
*	505	✓	✓	✓	1	1	✓
*	506	✓	✓	2	1	1	2
*	507	✓	✓	✓	1	1	2
*	508	✓	✓	2	2	2	2
*	509	✓	✓	✓	2	2	2
*	510	✓	✓	✓	3	✓	✓

Culm Height

Panicle length

Panicle length

✓	✓	✓	113
48, 51, 46, 53, 49	40, 40, 40, 39, 37	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
41, 42, 43, 45, 41	✓	✓	112
✓	✓	✓	112
45, 45, 47, 46, 47	✓	✓	112
32, 36, 36, 34, 36			112
56, 55, 56, 56, 55	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
52, 49, 47, 47, 42	39, 39, 38, 32, 36	23, 22, 22, 22, 22	112
✓	✓	✓	112
60, 56, 55, 56, 53	✓	✓	112
44, 41			112
✓	✓	✓	112
✓	✓	✓	112
42, 44, 42, 44, 41	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112

	classified	stigma color	culm angle	strength	shattering	flag angle
* 511	✓	✓	✓	3	✓	✓
* 512	✓	✓	✓	3	✓	✓
*✓ 513			2	3	2	2
* 514	✓	✓	✓	3	✓	✓
* 515	✓	✓	✓	3	✓	✓
* 516	✓	✓	✓	3	✓	✓
* 517	✓	✓	✓	1	2	2
* 518	✓	✓	2	2	3	1
* 519	✓	✓	✓	1	1	1
* 520	✓	✓	✓	2	✓	✓
*✓ 521			2	1	2	2
* 522	✓	✓	2	2	3	1
* 523	✓	✓	2	1	2	2
* 524	✓	✓	✓	3	✓	✓
* 525	✓	✓	2	2	3	2
* 526	✓	✓	2	3	3	1
* 527	✓	✓	✓	3	✓	✓
* 528	✓	✓	2	2	3	2
* 529	✓	✓	✓	2	✓	✓
* 530	✓	✓	✓	1	2	2
* 531	✓	✓	✓	2	✓	✓
* 532	✓	✓	2	3	3	2
* 533	✓	✓	2	3	3	1
* 534	✓	✓	✓	1	2	2
* 535	✓	✓	2	2	3	1
* 536	✓	✓	2	2	3	2
* 537	✓	✓	2	2	3	3
* 538	✓	✓	✓	2	✓	3
* 539	✓	✓	✓	1	1	2
* 540	✓	✓	2	2	3	3

Culm Height

Reduncle length

Panicle length

✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
38, 42, 43, 41, 41	✓	✓	112
✓	✓	✓	112
40, 39, 41, 41, 41	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
48, 47, 44, 45, 45	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
47, 48, 49, 47, 48	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
46, 46, 49, 44, 48	✓	✓	112
✓	✓	✓	112

	Classified	Stigma Color	Culm Angle	Strength	Shattering	Flag Angle
* 541	✓	✓	✓	2	2	✓
* ✓ 542			1	1	3	1
* 543	✓	✓	2	3	3	3
* 544	✓	✓	✓	3	✓	✓
* 545	✓	✓	✓	3	✓	✓
* 546	✓	✓	✓	3	✓	✓
* 547	✓	✓	✓	2	✓	✓
* 548	✓	✓	✓	3	✓	✓
* 549	✓	✓	✓	3	✓	✓
* 550	✓	✓	✓	3	✓	✓
* 551	✓	✓	✓	3	✓	✓
* 552	✓	✓	✓	1	1	✓
* 553	✓	✓	2	3	1	1
* 554	✓	✓	✓	2	2	✓
* 555	✓	✓	✓	3	✓	✓
* 556	✓	✓	2	3	3	2
* 557	✓	✓	✓	1	✓	✓
* 558	✓	✓	2	2	3	2
* 559	✓	✓	✓	1	✓	✓
* 560	✓	✓	✓	1	✓	✓
* 561	✓	✓	✓	1	1	2
* 562	✓	✓	✓	2	✓	✓
* 563	✓	✓	✓	2	✓	✓
* ✓ 564			2	1	1	2
* 565	✓	✓	✓	2	✓	✓
* 566	✓	✓	2	3	3	2
* ✓ 567			2	2	2	2
* 568	?					
* 569	✓	✓	2	3	2	2
* 570	✓	✓	2	3	3	3

Colm Height

Peduncle Length

Panicle Length

✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
54, 53, 53, 54, 54			112
✓	✓	✓	112
44, 43, 47, 46, 47			112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
43, 39, 39, 41, 40			112
✓	✓	✓	112
37, 41, 42, 37, 42			112
✓	✓	✓	112
47, 48, 48, 50, 49			112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112
48, 51, 54, 48, 51			112
✓	✓	✓	112
39, 41, 38, 42, 42			112
✓	✓	✓	112
✓	✓	✓	112
✓	✓	✓	112

		classified	sigma Color	colm Angle	strength	shattering	Flag Angle
* 571	✓	✓	2	3	3	2	
*✓ 572			2	3	2	2	
*✓ 573			2	1	1	2	
*✓ 574			1	1	3	1	
* 575	✓	✓	2	3	3	1	
*✓ 576				3	2		
*✓ 577				3	2		
* 578	✓	✓	2	3	3	2	
*✓ 579			2	3	2		
*✓ 580				3	2		
*✓ 581				3	3	2	
*✓ 582			2	1			
* 583	✓	✓	2	1	2	2	
*✓ 584							
*✓ 585							
* 586	✓	✓	2	3	3	3	
* 587	✓	✓	1	3	3	3	
* 588	✓	✓	2	3	3	2	
* 589	✓	✓	2	3	3	2	
*✓ 590							
* 591	✓	✓	2	1	1	3	
*✓ 592							
* 593	✓	✓	2	3	3	3	
*✓ 594							
* 595	✓	✓	2	3	3	2	
* 596	✓	✓	2	3	✓	2	
*✓ 597			2	3	3		
*✓ 598			2	2	1	2	
*✓ 599			2	1	2	2	
*✓ 600			2	1	2	2	

Culm Height

Reduncle length

Panicle length

✓	✓	✓	100
✓	✓	✓	200
✓	✓	✓	300
46,46,42,45,45	✓	✓	400
✓	✓	✓	500
47,50,51,51,46	✓	✓	600
✓	✓	✓	700
✓	✓	✓	800
✓	✓	✓	900
✓	✓	✓	1000
✓	✓	✓	1100
✓	✓	✓	1200
41,41,41,39,42	36,41,38,36,36	16,19,16,15,15	1300
✓	✓	✓	1400
✓	✓	✓	1500
✓	✓	✓	1600
50,48,51,49,52	✓	✓	1700
✓	✓	✓	1800
✓	✓	✓	1900
✓	✓	✓	2000
✓	✓	✓	2100
✓	✓	✓	2200
✓	✓	✓	2300
✓	✓	✓	2400
55,53,49,54,53	✓	✓	2500
48,47,50,49,45	✓	✓	2600
✓	✓	✓	2700
✓	✓	✓	2800
✓	✓	✓	2900
✓	✓	✓	3000

		Classified	Stigma Color	Culm Angle	Strength	Shattering	Flag Angle
*✓	601			2	1	2	1
*✓	602			2	1	2	2
*✓	603			2	2	2	2
*✓	604			2		2	
*✓	605			2	2	2	2
*	606	✓	✓	3	3	3	1
*	607	✓	✓	1	1	1	2
*✓	608			2	3	1	2
*✓	609			2	3	1	
*	610	✓	✓	2	3	3	2
*✓	611			2	3	1	
*✓	612			2	3	1	
*✓	613			2	3	1	
*✓	614			2	2	2	
*✓	615			2	2	3	
*✓	616			2	2	1	2
*	617	✓	✓	1	1	2	1
*✓	618				3	3	
*✓	619			2	2	2	2
*	620	✓	✓	2	3	3	2
*✓	621			2	2	2	
*✓	622			2	2	1	2
*✓	623			1	2	2	2
*✓	624			2	1	1	2
*✓	625			1	1	2	3
*✓	626			2	2	2	
*✓	627			1	2	2	2
*✓	628			1	2	1	3
*✓	629			1	1	1	
*✓	630				2	3	

Culm Height

Reduncle Length

Panicle Length

✓	✓	✓	100
✓	✓	✓	800
✓	✓	✓	100
✓	✓	✓	110
✓	✓	✓	200
✓	✓	✓	300
✓	✓	✓	700
✓	✓	✓	800
✓	✓	✓	800
✓	✓	✓	000
56,55,55,59,61			100
56,55,57,61,58	✓	✓	010
59,57,64,65,67			010
✓	✓	✓	100
✓	✓	✓	200
✓			010
✓	✓	✓	010
✓	✓	✓	010
39,40,40,38,40	✓	✓	000
47,49,49,50,49			100
45,47,44,45,43			000
✓	✓	✓	000
✓	✓	✓	100
45,49,47,47,45			000
✓	✓	✓	000
✓	✓	✓	000
✓	✓	✓	000
✓	✓	✓	000
✓	✓	✓	000

	Classified	Stigma Color	Culm Angle	Strength	Shattering	Flag Angle
* 631	✓	✓	2	3	3	2
* 632	✓	✓	2	3	3	1
* 633	✓	✓	2	3	3	1
* 634	✓	✓	2	3	3	2
* 635	✓	✓	2	3	3	3
* 636	✓	✓	2	3	3	2
*✓ 637				2	2	
*✓ 638				2	2	
* 639	✓	✓	2	2	3	3
*✓ 640			2	1	1	2
*✓ 641			1	2	2	3
*✓ 642					2	
*✓ 643			2	1	2	2
*✓ 644			2	2	2	
*✓ 645				2	2	
*✓ 646				2	1	
647	No plants					
*✓ 648				3	3	
*✓ 649			2	2	2	
* 650	✓	✓	2	3	3	2
*✓ 651			2	2	2	
* 652	✓	✓	1	1	1	3
*✓ 653			2	3	3	
* 654	✓	✓	2	3	3	3
* 655	✓	✓	2	2	1	1
* 656	✓	✓	2	3	3	2
*✓ 657			2	2	2	
* 658	✓	✓	2	3	3	2
* 659	✓	✓	2	3	3	2
* 660	✓	✓	2	2	3	2

colm Height

Peduncle length

		classified	stigma color	culm angle	strength	shattering	flag angle
* 661	✓	✓		2	2	3	2
*✓ 662				2	2	1	
*✓ 663				2	2	1	
*✓ 664				2	1	1	2
* 665	✓	✓		2	3	3	3
* 666	✓	✓		3	2	3	1
667	No plants						
*✓ 668				2	2	2	2
*✓ 669				2	2	2	
*✓ 670				2	1	2	2
*✓ 671				2	2	1	2
*✓ 672				2	2	1	2
673	No plants						
*✓ 674				2	1	1	2
*✓ 675				2	1	1	2
* 676	✓	✓		2	2	1	3
*✓ 677				2	2	1	2
* 678	✓	✓		2	3	3	3
*✓ 679				2	2	2	
*✓ 680	✓	✓			3	3	
*✓ 681				2	2	1	
*✓ 682				2		2	
* 683	✓	✓		2	2	3	1
684	No plants						
* 685	✓	✓		2	2	1	2
*✓ 686					3	2	
*✓ 687				2		2	
*✓ 688				1		2	
* 689	✓	✓		2	3	3	1
* 690	✓	✓		2	3	3	3

Culm Height

Peduncle Length

Panicle Length

✓	✓	✓	180
✓	✓	✓	280
✓	✓	✓	380
40, 41, 42, 40, 41			480
✓	✓	✓	580
✓	✓	✓	680
			780
✓	✓	✓	880
✓	✓	✓	980
✓	✓	✓	1080
41, 41, 41, 42, 44			1180
37, 39, 42, 35, 40			1280
			1380
✓			1480
✓	✓	✓	1580
✓	✓	✓	1680
✓	✓	✓	1780
✓	✓	✓	1880
55, 59, 62, 60, 55			1980
56, 60, 57, 59, 58			2080
✓	✓	✓	2180
✓	✓	✓	2280
✓	✓	✓	2380
			2480
✓	✓	✓	2580
✓	✓	✓	2680
52, 55, 54, 54, 50			2780
52, 50, 56, 58, 57			2880
✓	✓	✓	2980
✓	✓	✓	3080

classified

stigma color

colm Angle

strength

shattering

flg Angle

*✓	691				3	2	
*	692	✓	✓		3	3	
*✓	693			1	1	2	3
*✓	694			2	2	1	
*✓	695			2	1	1	2
*✓	696			2	1	1	2
*✓	697			1	2	1	3
*✓	698			1	2	1	3
*✓	699			1	1	1	3
*✓	700			1	1	1	3
	701	No plants					
*✓	702			1	1	1	3
*✓	703			1	1	1	3
*✓	704			3	2	2	2
	705			1	1		3
*✓	706			3	2	3	2
*✓	707			2	2	2	3
*✓	708			3	2	3	
	709			1	1		3
	710			1	1		3
*✓	711			1	1	1	~
*✓	712			1	1	1	3
	713	No plants					
*✓	714			2	1	1	
*✓	715			1	1	1	2
*✓	716			1	1	1	3
GH.	717			1	1		
*✓	718			2	2	1	
*✓	719			1	2	3	2
*✓	720			1	2	3	2

Culm Height

Peduncle length

Panicle length

✓	✓	✓	127
✓	✓	✓	128
✓	✓	✓	129
✓	✓	✓	130
✓	✓	✓	131
✓	✓	✓	132
✓	✓	✓	133
✓	✓	✓	134
✓	✓	✓	135
✓	✓	✓	136
✓	✓	✓	137
✓	✓	✓	138
✓	✓	✓	139
✓	✓	✓	140
✓	✓	✓	141
✓	✓	✓	142
✓	✓	✓	143
✓	✓	✓	144
✓	✓	✓	145
✓	✓	✓	146
✓	✓	✓	147
✓	✓	✓	148
✓	✓	✓	149
✓	✓	✓	150
51, 53, 55, 56, 55	✓	✓	151
✓	✓	✓	152
✓	✓	✓	153
✓	✓	✓	154
✓	✓	✓	155
✓	✓	✓	156
33, 39, 38, 34, 32	✓	✓	157
53, 57, 58, 57, 55	✓	✓	158
✓	✓	✓	159
✓	✓	✓	160

	classified	Stigma Color	Culm Angle	Strength	Shattering	Flag Angle
*✓	721			2	1	3
*✓	722		1	2	1	3
	723	No plants				
*✓	724		1	2	1	3
*✓	725		1	1	1	3
*✓	726		2	2	2	
G.H.	727					
*✓	728		1	1	1	3
*✓	729		1	1	2	
*✓	730		1	1	1	2
G.H.	731					
*✓	732		2	2	2	1
*✓	733		3	2	2	
*✓	734		2	2	3	1
*✓	735		3	2	2	
*✓	736		1	1	2	2
*✓	737		1	1	2	
*✓	738		1	1	2	
*✓	739		2		2	2
*✓	740		2	2	2	2
*✓	741		1	2	2	1
*✓	742		1	1	3	2
G.H.	743		1	1		3
*✓	744		3	2	2	
*✓	745		2	2	2	
*✓	746		2	2	2	
G.H.	747		1	1		2
*✓	748		1	1	1	3
G.H.	749					
	750	No plants				

—

classified

stigma color

culm angle

strength

shattering

flag angle

G.H.	751						
G.H.	752						
G.H.	753						
*✓	754			1	1	1	
G.H.	755			1	1	1	
*✓	756			1	2	2	
	757	No plants					
G.H.	758						
G.H.	759						
G.H.	760						
*✓	761			2	2	2	2
*✓	762			1	1	2	2
G.H.	763						
	764	No plants					
	765						
G.H.	766						
G.H.	767						
G.H.	768						
G.H.	769						
	770	No plants					
*✓	771			1	1	2	
*✓	772	✓	✓		3	3	
*✓	773				3	2	
*✓	774			1	1	2	
*✓	775				2	2	
*✓	776			1	1	2	
*✓	777				2	2	
*✓	778			1	1	1	
*✓	779				2	1	
*✓	780				3	2	2

Culm Height

Reduncle length

Panicle length

185

185

185

✓

✓

✓

185

185

✓

✓

✓

Badly mired!

185

185

185

185

185

185

185

✓

✓

✓

45, 45, 48, 46, 49

185

185

185

185

185

185

185

185

185

185

185

✓

✓

✓

✓

✓

✓

✓

61, 57, 62, 57, 60

108

108

108

✓

✓

✓

108

✓

✓

✓

108

✓

✓

✓

108

✓

✓

✓

108

✓

✓

✓

108

✓

✓

✓

108

✓

✓

✓

108

108

	Classified	Stigma Color	Culm Angle	Strength	Shattering	Flag Angle
*✓ 781				3	2	2
*✓ 782				2	2	2
*✓ 783			1		1	
*✓ 784			1	1	2	
* 785	✓	✓		3	2	
* 786	✓	✓	2	3	1	2
*✓ 787				1	2	
* 788	✓	✓	1	1	1	2
* 789	✓	✓	✓	1	2	✓
*✓ 790			1	1	2	
* 791	✓	✓	1	1	1	2
792	No plants			1		
*✓ 793				1	1	
794	No plants					
795	" "					
* 796	✓	✓	1	1	2	
*✓ 797						
798	No plants					
*✓ 799				3	2	
*✓ 800	✓	✓	1	1	2	
801	No plants					
802	" "					
803	" "					
* 804	✓	✓	3	3	2	
*✓ 805				3	2	
*✓ 806			1	2	2	2
*✓ 807					2	
*✓ 808				2	2	
* 809	✓	✓	2	3	3	2
* 810	✓	✓	2	3	3	2

Culm Height

		classified	stigma color	culm angle	strength	shattering	flag angle
* 811	✓	✓	2	1	1	2	
* 812	✓	✓	2	3	3	2	
* 813	✓	✓	✓	3	1	✓	
*✓ 814				3	3		
*✓ 815			2	3	3	1	
*✓ 816				3	3	1	
*✓ 817				2	3	1	
G.H. 818							
* 819	✓	✓	2	3	3	2	
G.H. 820							
G.H. 821							
G.H. 822							
823	No plants						
G.H. 824							
G.H. 825							
*✓ 826			2	3	2		
*✓ 827			1	2	3	2	
G.H. 828							
* 829	✓	✓	2	2	3	1	
*✓ 830			2	3	3	2	
*✓ 831			1	2	3	2	
* 832	✓	✓		3	2		
833	No plants						
834	" "						
G.H. 835							
G.H. 836							
*✓ 837			2	2	2	1	
G.H. 838							
* 839	✓	✓	2	3	3	1	
* 840	✓	✓	3	3	3	2	

	Classified	Stigma Color	Culm Angle	Strength	Shattering	Flag Angle
841	No plants					
* 842	✓	✓	2	2	2	2
843	No plants					
G.H. 844						
G.H. 845						
* 846	✓	✓	1	3	2	2
*✓ 847			2	2	2	1
*✓ 848				2	2	
* 849	✓	✓	2	3	1	2
* 850	✓	✓	2	3	1	2
* 851	✓	✓	2	3	3	2
* 852	✓	✓	2	3	2	3
*✓ 853			2	2	3	2
* 854	✓	✓	✓	✓	✓	✓
G.H. 855						
*✓ 856			2		1	
* 857	✓	✓			3	
*✓ 858				2		
G.H. 859						
* 860	✓	✓	2	1	2	2
861	No plants					
* 862	✓	✓			3	
G.H. 863						
* 864	✓	✓				
*✓ 865			2	2	3	1
G.H. 866						
* 867	✓	✓	2	3	3	1
G.H. 868						
*✓ 869			1	1	2	2
G.H. 870						

classified

stigma color

culm Angle

strength

shattering

Flag Angle

G.H.	871						
G.H.	872						
G.H.	873						
*	874			2	3	2	
*✓	875			2	2	2	2
*✓	876			2	2	2	2
*✓	877			2	2	2	2
*	878	✓	✓	✓	✓	✓	✓
G.H.	879						
G.H.	880						
*	881	✓	✓	2	3	3	2
*	882	✓	✓	2	3	3	2
*✓	883			2	2	3	2
*	884	✓	✓	2	3	3	3
*	885	✓	✓	2	3	3	3
*✓	886			2	1 3?	2	2
*✓	887			2	3	2	
*✓	888			2	3	2	
*✓	889			2	3	2	
G.H.	890						
*	891	✓	✓	2	2	3	3
*	892	✓	✓	✓	✓	✓	✓
G.H.	893						
G.H.	894						
*	895	✓	✓	2	2	2	2
G.H.	896						
*	897	✓	✓			2	
	898	No plants					
G.H.	899						
*	900	✓	✓	2	3	2	2

Culm Height

Node length

Panicle length

✓	✓	✓	100
✓	✓	✓	200
✓	✓	✓	300
✓	✓	✓	400
✓	✓	✓	500
✓	✓	✓	600
✓	✓	✓	700
✓	✓	✓	800
✓	✓	✓	900
✓	✓	✓	1000
✓	✓	✓	1100
✓	✓	✓	1200
✓	✓	✓	1300
✓	✓	✓	1400
✓	✓	✓	1500
✓	✓	✓	1600
✓	✓	✓	1700
✓	✓	✓	1800
✓	✓	✓	1900
✓	✓	✓	2000
✓	✓	✓	2100
✓	✓	✓	2200
✓	✓	✓	2300
✓	✓	✓	2400
✓	✓	✓	2500
✓	✓	✓	2600
✓	✓	✓	2700
✓	✓	✓	2800
✓	✓	✓	2900
✓	✓	✓	3000
✓	✓	✓	3100
✓	✓	✓	3200
✓	✓	✓	3300
✓	✓	✓	3400
✓	✓	✓	3500
✓	✓	✓	3600
✓	✓	✓	3700
✓	✓	✓	3800
✓	✓	✓	3900
✓	✓	✓	4000
✓	✓	✓	4100
✓	✓	✓	4200
✓	✓	✓	4300
✓	✓	✓	4400
✓	✓	✓	4500
✓	✓	✓	4600
✓	✓	✓	4700
✓	✓	✓	4800
✓	✓	✓	4900
✓	✓	✓	5000
✓	✓	✓	5100
✓	✓	✓	5200
✓	✓	✓	5300
✓	✓	✓	5400
✓	✓	✓	5500
✓	✓	✓	5600
✓	✓	✓	5700
✓	✓	✓	5800
✓	✓	✓	5900
✓	✓	✓	6000
✓	✓	✓	6100
✓	✓	✓	6200
✓	✓	✓	6300
✓	✓	✓	6400
✓	✓	✓	6500
✓	✓	✓	6600
✓	✓	✓	6700
✓	✓	✓	6800
✓	✓	✓	6900
✓	✓	✓	7000
✓	✓	✓	7100
✓	✓	✓	7200
✓	✓	✓	7300
✓	✓	✓	7400
✓	✓	✓	7500
✓	✓	✓	7600
✓	✓	✓	7700
✓	✓	✓	7800
✓	✓	✓	7900
✓	✓	✓	8000
✓	✓	✓	8100
✓	✓	✓	8200
✓	✓	✓	8300
✓	✓	✓	8400
✓	✓	✓	8500
✓	✓	✓	8600
✓	✓	✓	8700
✓	✓	✓	8800
✓	✓	✓	8900
✓	✓	✓	9000
✓	✓	✓	9100
✓	✓	✓	9200
✓	✓	✓	9300
✓	✓	✓	9400
✓	✓	✓	9500
✓	✓	✓	9600
✓	✓	✓	9700
✓	✓	✓	9800
✓	✓	✓	9900
✓	✓	✓	10000

not fully exposed

		Classified	Stigma Color	Wim Angle	Strength	Shattering	Flag Angle
* ✓	901	✓	✓	2	3	3	2
* ✓	902	✓	✓	2	3	3	2
* ✓	903	✓	✓	2	2	3	2
* ✓	904				3	3	
* ✓	905	✓	✓	2	2	2	2
* ✓	906					3	
* ✓	907	✓	✓	2	2	2	2
* ✓	908			1	2	3	3
* ✓	909			1	2	3	3
* ✓	910	✓	✓			2	
	911	No plants					
* ✓	912			2	2	3	2
* ✓	913	✓	✓			2	
* ✓	914	✓	✓	2	2	2	2
G.H.	915						
* ✓	916	✓	✓	2	3	3	2
* ✓	917	✓	✓	2	2	2	2
G.H.	918						
* ✓	919				2		
* ✓	920	✓	✓		1	2	
* ✓	921	✓		1	1	1	
* ✓	922			1	1	1	
* ✓	923	✓	✓	2	2	2	2
* ✓	924	✓	✓	2	2	2	1
* ✓	925			1	1	2	3
* ✓	926	✓	✓	✓	2	2	✓
* ✓	927			1	1	2	3
* ✓	928			2	2	2	2
* ✓	929			1	1	2	2
* ✓	930			1	1	2	

Culm Height

		classified	stigma color	Culm Angle	strength	shattering	Flag Angle
*✓	931			1	1	1	3
*✓	932			1	1	2	3
*✓	933			1	1	2	3
*✓	934			2	3	3	2
	935	No plants					
*✓	936			1	1	2	
*✓	937			1	1	2	
*✓	938			1	1	2	
*✓	939			1	1	2	
*✓	940			1	1	2	
*✓	941			1	1	2	
*✓	942			1	1	2	
*✓	943			1	1	2	
*✓	944			1	2	2	
*✓	945				3	3	
*✓	946			1	2	3	
*✓	947			2	2	2	2
*✓	948			1	1	2	2
*✓	949			1	1	2	2
*✓	950			1	1	2	2
*✓	951			1	1	2	
*✓	952			2	2	3	
*✓	953	✓	✓			2	
*✓	954			2	2	2	2
*✓	955			2	2	2	2
*✓	956			1	1	2	
*✓	957			1	1	2	
*✓	958			1	1	1	3
*✓	959			1	1	1	
*✓	960			1	1	2	

Culm Height

Peduncle length

Panicle length

Clustered !

59,60,58,59,59

Classified

stigma color

culm Angle

strength

shattering

Flag Angle

*✓	961			2	3	2	
*✓	962			2	2	2	2
*✓	963			1	1	2	
*✓	964			2	2	1	
*✓	965			1	1	2	
*✓	966			1	1	2	
*✓	967			1	1	1	3
	968	No plants					
*✓	969			2	2	3	
*✓	970			2	2	1	
*✓	971				1	2	
*✓	972			1	1	2	
*✓	973			1	1	2	
*✓	974			1	1	3	
*✓	975			1	1	2	3
	976	No plants					
*✓	977				3	2	
*✓	978			1	1	2	
*✓	979					2	
*✓	980	✓	✓	1	1	2	
*✓	981			1	1	2	1
*✓	982			1	1	2	
*✓	983			1	1	2	2
*✓	984			1	1	2	2
*✓	985			1	1	2	2
*✓	986			1	1	2	
*✓	987			2	1	2	
*✓	988					2	
*✓	989					2	
*✓	990					2	

Culm Height

Panicle Length

		classified	stigma color	culm Angle	strength	shattering	flag Angle
*✓	991			1	1	1	
*✓	992			1	1	2	2
*✓	993			1	2	1	2
*✓	994			1	1	2	
*✓	995			1	1	2	2
*✓	996	✓	✓	✓	✓	✓	✓
*✓	997			1	1	2	
*✓	998			1	1	2	
*✓	999			1	1	2	2
*✓	1000			1	1	2	3
*	1001	✓	✓	2	1	2	1
*✓	1002			1	2	3	2
*✓	1003			1	2	1	
*	1004	✓	✓	✓	✓	✓	✓
*✓	1005			1	1	2	
*✓	1006			1	1	2	2
*✓	1007			1	1	2	
*✓	1008			1	1	2	
*✓	1009			2	3	2	
*✓	1010			1	1	2	
	1011	No plants					
*✓	1012			1	1	1	
*✓	1013			1	1	2	2
*✓	1014			1	1	1	3
*✓	1015			2	2	2	2
*✓	1016			2	1	2	2
*✓	1017			1	1	2	
*	1018	✓	✓	✓	✓	✓	✓
*✓	1019			1	1	2	
*✓	1020			1	1	2	

Colm Height

Panicle Length

[illegible]

		classified	stigma color	Culm Angle	Strength	Shattering	Flag Angle
*	1021	✓	✓		3	2	
	1022	No plants					
*✓	1023				3	2	
*✓	1024				3	2	
	1025	No plants					
*✓	1026					3	
*✓	1027				3	2	
*✓	1028				3	3	
*✓	1029				3	2	
*	1030	✓	✓	✓	✓	✓	✓
	1031	No plants					
	1032	No plants					
*✓	1033				3	2	
*✓	1034			1	1	1	
*✓	1035			1	1	2	
*✓	1036			1	1	2	
	1037	No plants					
*✓	1038			1	1	2	2
G.H.	1039						
G.H.	1040						
*✓	1041						
	1042	No plants					
*✓	1043			1	1	2	3
	1044	No plants					
G.H.	1045						
G.H.	1046						
G.H.	1047						
*✓	1048			1	1	2	
*✓	1049			2	1	2	2

Culm Height

Reduncle Length

Panicle Length

✓		
44, 48, 41, 43, 46		
45, 54, 52, 50, 51		
✓	✓	✓
✓	✓	✓
58, 60, 56, 57, 59		
	✓	✓
38, 35, 37, 37, 35	35, 34, 40, 25, 31	21, 19, 25, 20, 21
42, 41, 44, 44, 46		
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
43, 44, 41, 42, 50		
✓	✓	✓
✓		
✓	✓	✓
✓	✓	✓
✓	✓	✓

classified

stigma color

culm angle

strength

shattering

flag angle

1050

No plants

G.H.

1051

Culm Height

Peduncle Length

Panicle Length

1051

7530-274-5494
FEDERAL SUPPLY SERVICE
(GPO)

(Bulbilla x Dawn) x (Belle Patina x Dawn) 13668

2588 - 2600 :

Selected panicle - 4 rows

Bulbed - 2 rows

Bleuville x (Belle Patrou x Dawn) B662

2647-2668 -

Selected panicles - 7 rows

Bulbed - 3 rows

Dawn x C.I. 9569

B6343

3263-3271

Selected panicles - 3 rows

Bulbed

All golds; rather tall but plant types
okay otherwise;

(Blt 50 x H0341) x 05-57

B6348

3365 - 3385 :

Selected panicles - 6 rows

Bulbous -

Bulbs and stems; plant types good to excellent;
some may be taller; mostly tight threshing; grain
generally good;

Belle Patne x P.I. 184675

Go. Cross

3448-3513:

Selected panicles - 8 rows

Bulbed -

All strains; varies from tall to moderate height;
plant type generally good and sometimes excellent;
grain sometimes too small;

Of interest primarily from standpoint of
potential blight resistance for certain races;
quality may be atypical for lots in some
selections.

C.I. 9545 x Dawn

B6335

3572 - 4021 :

Selected panicles - 90 rows

Bulbed -

All golds; both lvs and mglts; lvs frequently questionable and too small; moderate to short height; frequently excellent plant types; grain quality often a question for a particular grain type; frequently high yield potential; threshing often too easy.

C.I. 9545 X OS-59

B6366

4023-4042 :

Selected panicle - 4 rows

Bulbed -

B572A3 x 81B-25

IRRI Cross

4043-4083:

Selected panicles - 8 rows

Bulbed -

C.I. 9545 X Nava

B6334

4084-5572 :

Selected panicles - 205 rows

Bulbed -

C.I. 9545 X (Bulb rose x P.I. 215936)

B6337

5601-5938 :

Selected panicles - 59 rows

Bulbed

C.I. 9545 X Northron

B6336

5940 - 6333 :

Selected panicles - 36 rows

Bulbed -

(C.I.9545 x Nova) x IR-8

B6810

6334-6608

Selected panicles - 63

Bulked -

10041-10071

Selected panicles - 5

Satum x IR-8

B688

6610 - 6673

Selected parishes -

Bulbed -

9701 - 9753

Discarded all; very poor material;
presence of gold segregates indicates
wrong identity of cross!

9971 - 9979

(TNI x C.I.9545) x IR-8

B689

6674 - 7020

Selected panicle - 56 rows

Bulked -

9980 - 10027

Selected panicle 7 rows

(TNI x C.I. 9545) x IR-8

B6811

7022-7207

Selected panicles - 45 rows

Bulked -

10028-10040

Selected panicles - 4 rows

(Belle Patina x Dawn) x IR-160

B683

7209 - 7262

Overall poor!

Selected panicles - 14

Bulked -

8534 - 8548

Selected panicles - 7 rows

Bulked -

9056 - 9060

None saved!

9924 - 9939

(Belle Patna x Dawn) x IR-160 B685

7263 - 7300 :

Overall poor!

Selected panicles - 12

Bulked -

9061 - 9070

Selected panicles - 1 row

[Bluebell x (Belle Patina x Dawn)] x IR-8 B681

7301 - 7860

Selected panicles - 142 rows

Bulbed -

8602 - 8889

Selected panicles - 77 rows

9802 - 9883

(Bell Patra x Dawn) x IR-8

B684

7861 - 8012

Selected panicles - 48 rows

Bulked -

8890 - 9055

Selected panicles - 27 rows

9884 - 9923

[(Bluebell x Dawn) x (Belle Patience x Dawn)] x (Blt 50/2 x Joyita)

8014 - 8217

B686A

Selected panicles - 49 rows

Bulked -

9072 - 9312

Selected panicles - 60 rows

9500 - 9602

Selected panicles - 17 rows

9940 - 9958

[Bluebell x (Belle Patrice x Dawn)] x (Blot 50/2 x Joyelle)

8218 - 8533

B687

Selected panicles - 12 rows

Bulked -

9313 - 9499

Selected panicles - 36 rows

9603 - 9700

Selected panicles - 17 rows

9959 - 9970

